



SOLAR PUMP



2023

PRODUCT CATALOG

CE © ISO9001



COMPANY PROFILE

Zhejiang Rambo Intelligent Technology Co., Ltd.(ZRI Co.,Ltd) Is the leading manufacturer and exporter of water pumps in China, located in Daxi Industrial Zone, Wenling, Zhejiang province.

With over 20 years experience and efforts, our products has diversified into wide range of selections to meet customers' Needs which include Solar pumps, Submersible pumps, Deep well pumps, and Land domestic pumps, etc. While our latest Energy-saving products--Solar pumps have developed rapidly and got a great success during recent years. After several years' Development, ZRI' S network has been spread to about 80 countries and regions around the world. We have become the long-term supplier of world-class retailer

Besides the IATF quality control system, ZRI has a group of professional technical engineers and a strong R&D team. Our engineers are able to provide expert technical support with the most efficient and cost effective solutions. The R&D team satisfies customers with specialized design and develops new products according to market demand.

ZRI has good cooperative relationships with some noted universities and institutes, and also famous manufacturers in Europe. It greatly strengthens ZRI' S R&D ability.

To do the best pump from China is ZRI' S purpose



ISO 9001-2015



CE



IEC 60335-2-41



BV Certificate



*BELIEVE IN THE
POWER OF BRAND*

UMAP

Catalog

SSCO / ZSCO DC MPPT CONTROLLER SOLAR WATER PUMP

S01 - S27

S3SS	S3SW
S4SS	S4SW
S3HS	S4/6SW
S4HS	SSQD
S3PC	SSQB
S4PC	SSSP
S3SC	SSHF
S4SC	
S4/6SC	

ZSCO_ADHY AC/DC SWITCHING CONTROLLER SOLAR WATER PUMP

H01 - H23

Z3PC-A/DHY	Z3SW-A/DHY
S4PC-A/DHY	Z4SW-A/DHY
S3SC-A/DHY	Z4/6SW-A/DHY
S4SC-A/DHY	ZSSP-A/DHY
S4/6SC-A/DHY	ZSHF-A/DHY



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



ZSCO_ADCP AC/DC COMPLEMENTARY CONTROLLER SOLAR WATER PUMP

C01 - C20

Z3PC-A/DCP	Z3SW-A/DCP
S4PC-A/DCP	Z4SW-A/DCP
S3SC-A/DCP	Z4/6SW-A/DCP
S4SC-A/DCP	ZSHF-A/DCP
S4/6SC-A/DCP	ZSSP-A/DCP

HUGE POWER SOLAR PUMP INVERTER

V01 - V07

ZFPV 500

SOLAR PANEL RECOMMENDATION

V08 - V12

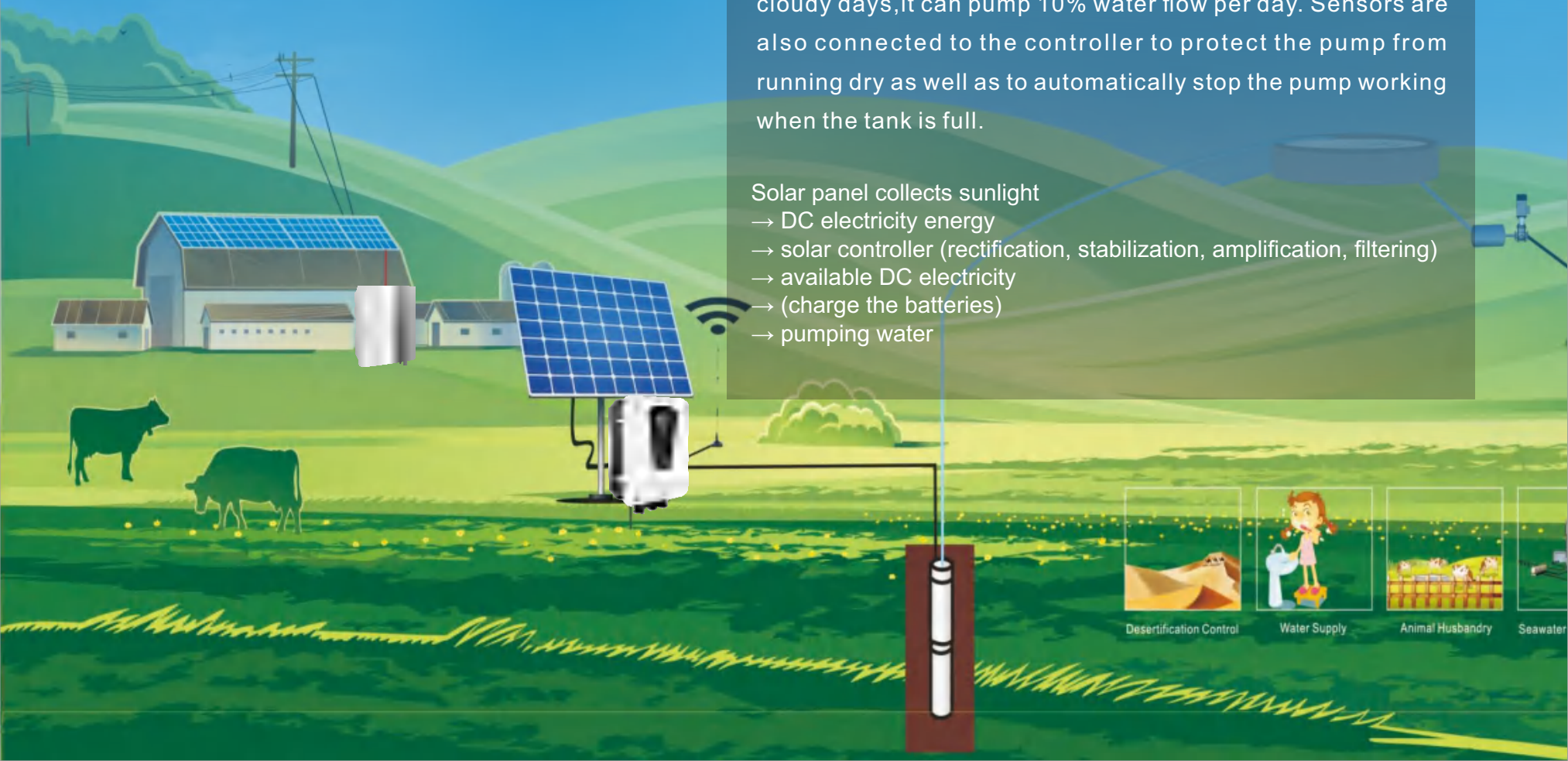


SOLAR PUMPING SYSTEM

Solar pumping system mainly consists of PV modules, solar pumping controller / inverter and water pumps, Solar panels convert sunlight to electrical energy which is passed to the solar pump controller, The solar controller stabilizes the voltage and output power to drive the pump motor, Even on cloudy days, it can pump 10% water flow per day. Sensors are also connected to the controller to protect the pump from running dry as well as to automatically stop the pump working when the tank is full.

Solar panel collects sunlight

- DC electricity energy
- solar controller (rectification, stabilization, amplification, filtering)
- available DC electricity
- (charge the batteries)
- pumping water



Desertification Control



Water Supply



Animal Husbandry



Seawater



ESCO Economical
Mppt Controller



SSCO DC
Mppt Controller



ZSCO DC
Mppt Controller



ZSCO_ADHY AC/DC
Hybrid Mppt Controller



ZSCO_ADSW AC/DC
Hybrid Mppt Controller



ZSCO_ADCP AC/DC
Hybrid Mppt Controller



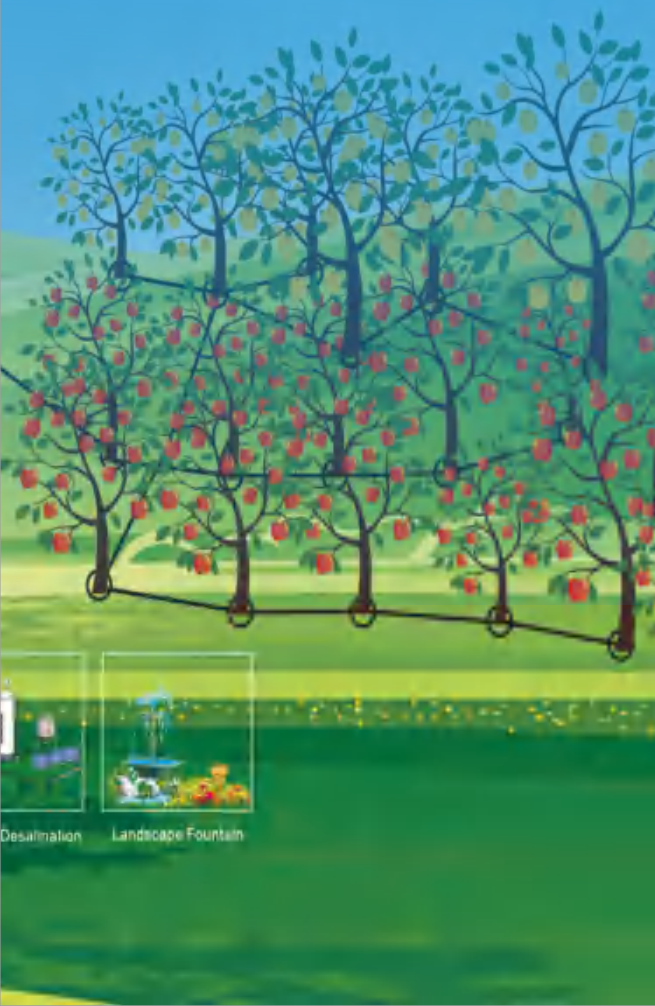
ZFPV500
Solar Pump Inverter



ZFPV150
Solar Pump Inverter

■ Solar Water Pump System Complete Set

1. Solar pump with 5m cable, longer cable is available if required
2. MPPT & DSP Controller
3. Water level sensor or float switch
4. Other Accessories: Outlet / MC4 PV Cable Connector / PTFE Tape / Electric tape / screwdriver / Pipe hoop / Water pipe connector
5. Nylon Rope to hang the pump
6. Screw or Impeller for replace
7. Installation Manual
8. Solar panels are option





APPLICATION FOR SOLAR PUMPING SYSTEM



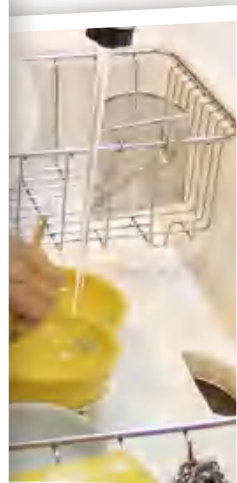
Irrigation



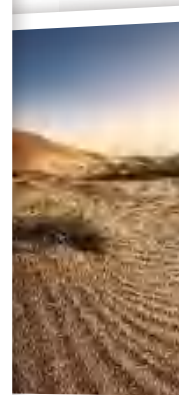
Stock farming



Fountain



Drinking water



Ecological
management



APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW
WELL



HIGHLIFT



HOME SWIMMING
POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation

SSCO/ZSCO DC

MPPT CONTROLLER SOLAR PUMP SERIES

www.zripump.com



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



SSCO DC MPPT CONTROLLER

APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW WELL



HIGH LIFT



HOME SWIMMING POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation



SSCO CONTROLLER PERFORMANCE DATA

Item		SSCO_YDC24	SSCO_YDC48	SSCO_YDC72	SSCO_YDC96	SSCO_YDC11	SSCO_YDC15	SSCO_YDC20	SSCO_YDC30
Rated Voltage		24V DC	48V DC	72V DC	96V DC	110V DC	150V DC	200 VDC	300 VDC
Rated Current		15A	15A	15A	15A	15A	12A	12A	12A
Biggest open voltage(VOC)		80V DC	150V DC	200V DC	200V DC	250V DC	300V DC	350V DC	400V DC
Max Power		600W	900W	1300W	1600W	1800W	1600W	1800W	2500W
Voltage	Under Voltage	18.0±0.2VDC	30.0±0.2VDC	50.0±0.2VDC	60.0±0.2VDC	70.0±0.2VDC	120.0±0.2VDC	160.0±0.2VDC	220.0±0.2VDC
	Best Working Voltage	30±0.2VDC	60±0.2VDC	90±0.2VDC	110±0.2VDC	120±0.2VDC	150±0.2VDC	200±0.2VDC	300±0.2VDC
Current	Overload	20A	20A	20A	20A	20A	15A	15A	15A
	Over current	25A	25A	25A	25A	25A	20A	20A	20A
Dimension		220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm
Weight		2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg
Ambient Temperature		-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃
Adaptive Solar Panel	Peak Voltage	29.8VDC	29.8VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC
	Open-circuit Voltage	36.9VDC	36.9VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC

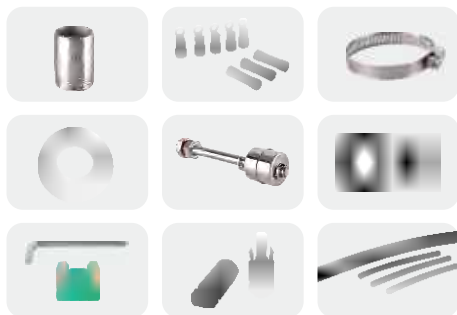
SOLAR
ZAI

S3SS Solar Submersible Pump Series

ADVANCED TECHNOLOGY



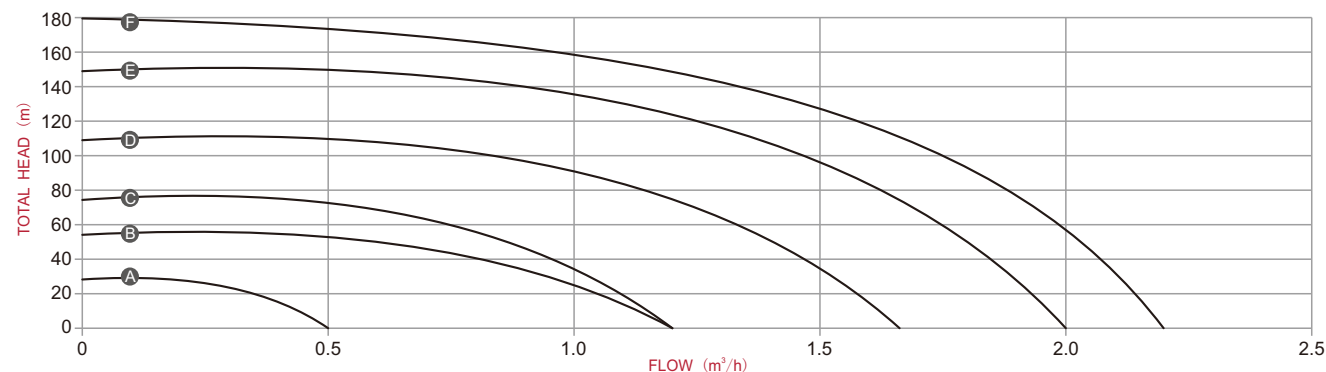
FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PAGE/S02

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3SS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3SS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3SS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3SS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3SS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER



01

Outlet

0.75 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

Stainless Steel
AISI 304SS/316SS



S4SS Solar Submersible Pump Series

**01****Outlet**1.0 inch,
Stainless Steel AISI 304SS/316SS**02****Inlet**Stainless Steel
AISI 304SS/316SS**03****Bottom support**Stainless Steel
AISI 304SS/316SS

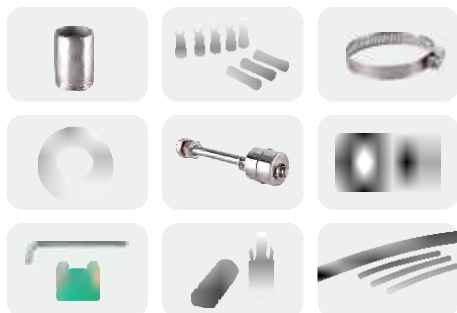
ADVANCED TECHNOLOGY

Running Speed
ControlShort-Circuit
Protection

MPPT

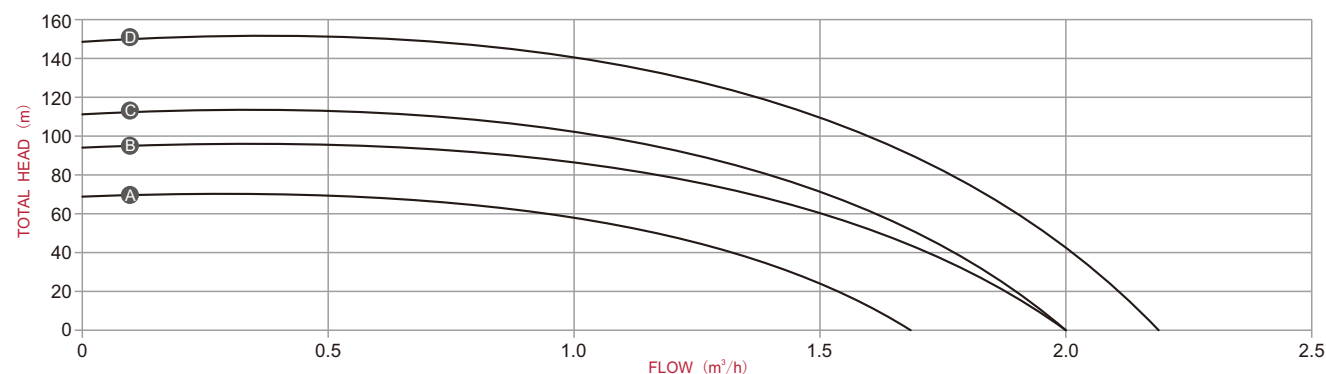
Dry Running
ProtectionSoft Starting
ProtectionReverse Voltage
ProtectionLow-voltage /
Over-voltage
ProtectionOver Current
Protection

FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

SOLAR
ZAI

S3HS Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet

0.75 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

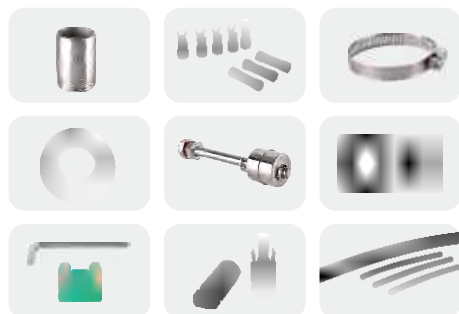
03

Bottom support

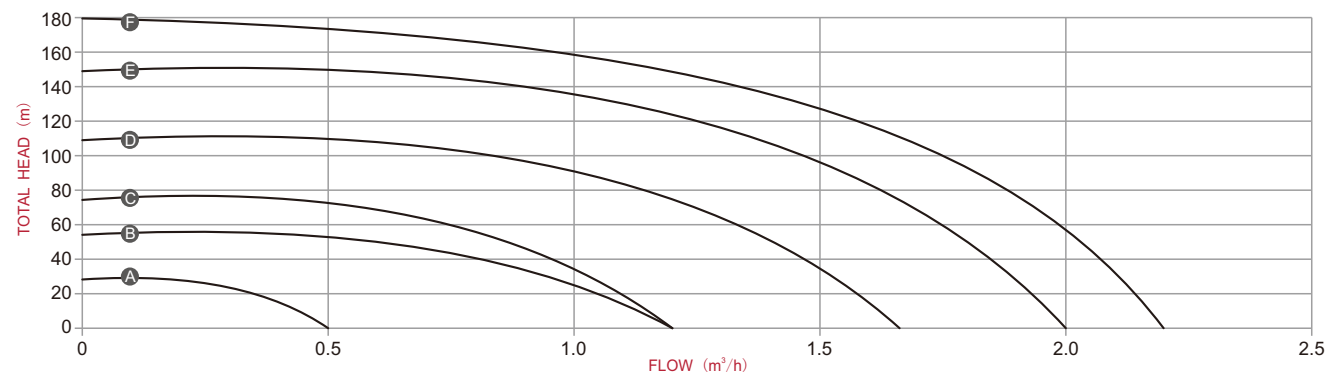
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3HS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3HS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3HS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3HS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3HS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3HS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

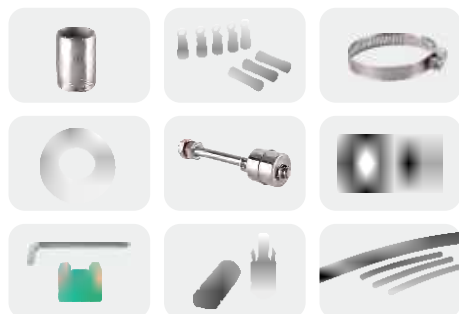
SOLAR
ZAI

S4HS Solar Submersible Pump Series

ADVANCED TECHNOLOGY



FREE SPARE PARTS



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01

Outlet

1.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

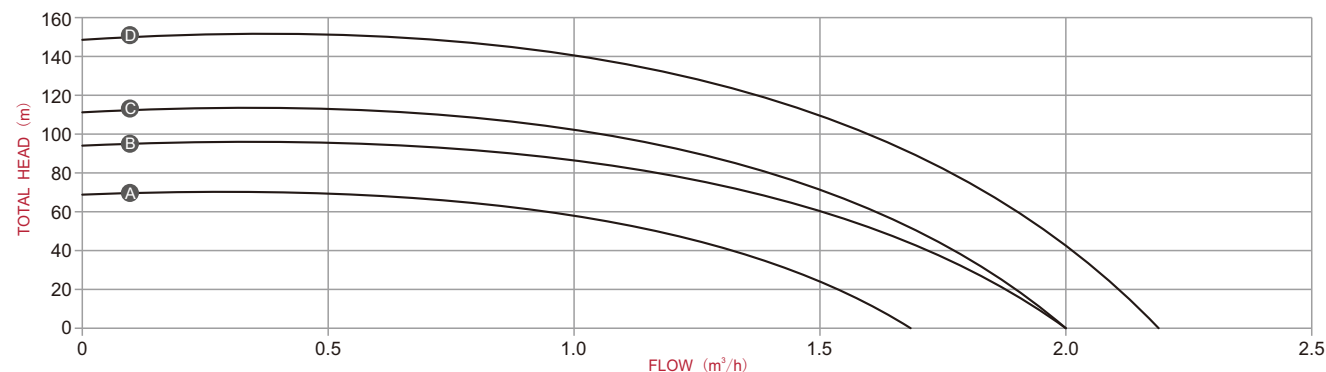
Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4HS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4HS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4HS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4HS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

SOLAR
ZAI

S3PC Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

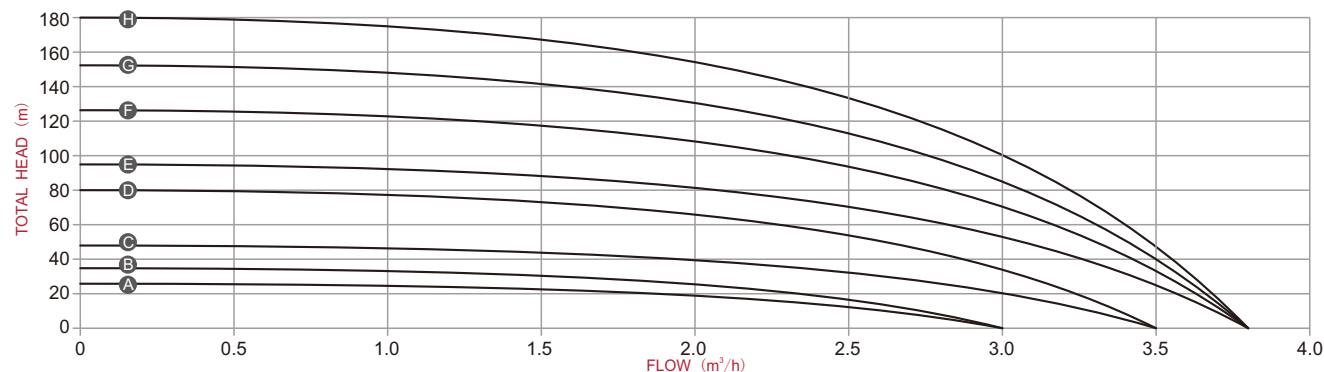
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC3-25-24-200	24V	30-48V	200W	3.0m³/h	25m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3PC3-35-24-300	24V	30-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
C	S3PC3.5-47-48-400	48V	60-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
D	S3PC3.5-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	3.5m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3PC3.5-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	3.5m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3PC3.8-123-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	3.8m³/h	123m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
G	S3PC3.8-155-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	3.8m³/h	155m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S3PC3.8-180-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.8m³/h	180m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
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SOLAR
ZAI

S3PC Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



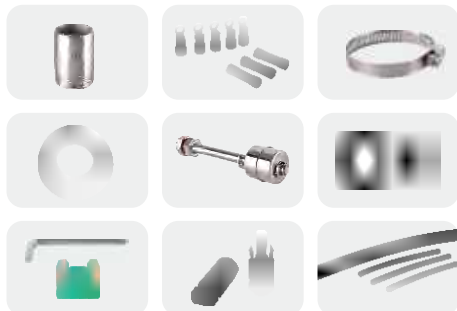
03

Bottom support

Stainless Steel
AISI 304SS/316SS

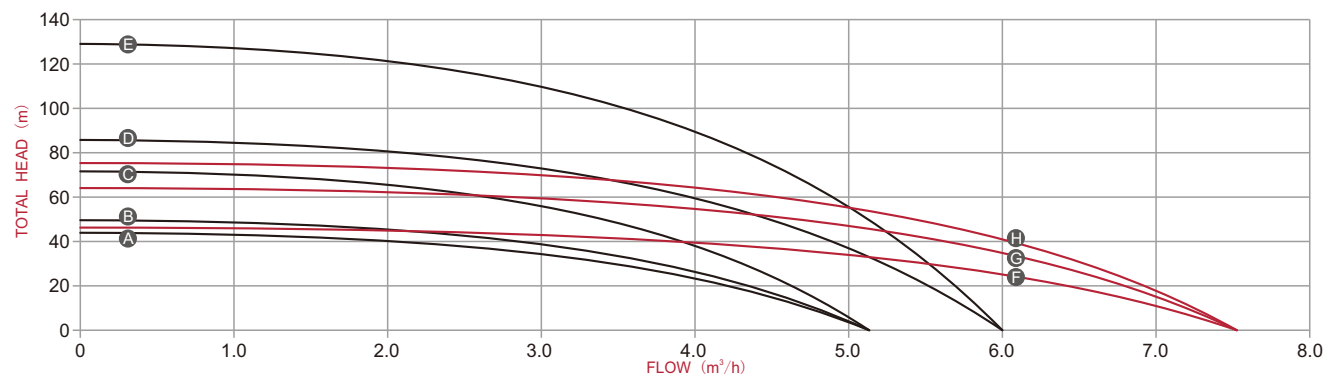


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
B	S3PC5.2-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	5.2m³/h	50m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
C	S3PC5.2-75-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	75m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
D	S3PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
E	S3PC6-125-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	125m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER
F	S3PC7.5-43-72(96)-750	72(96)V	90-120V (110-150V)	750W	7.5m³/h	43m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
G	S3PC7.5-62-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	7.5m³/h	62m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
H	S3PC7.5-78-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	78m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER



S4PC Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet
Stainless Steel
AISI 304SS/316SS

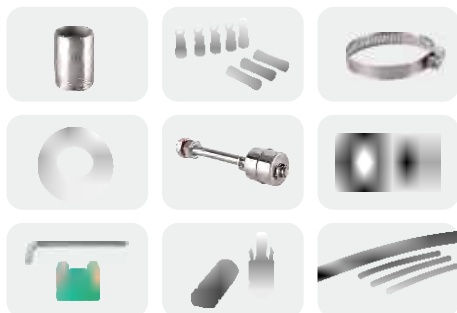


03

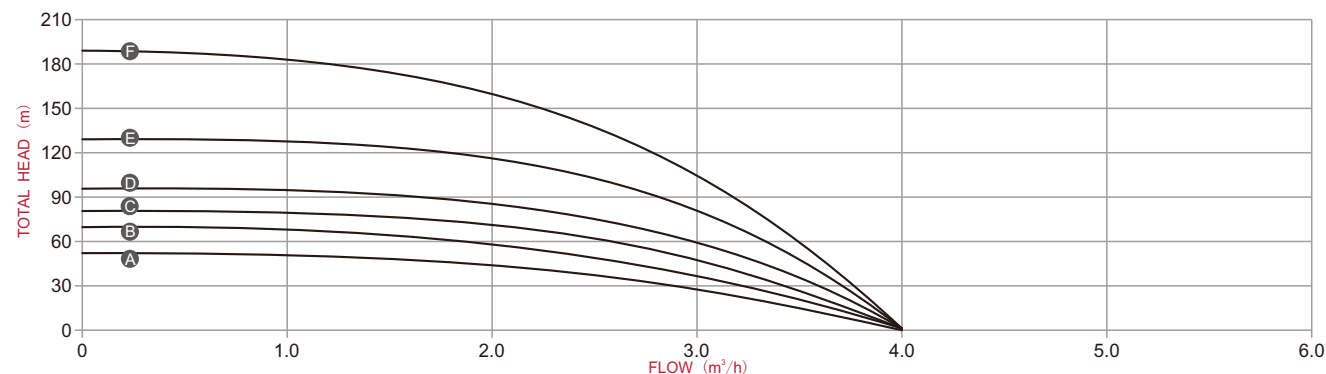
Bottom support
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC4-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	4m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	Z4PC4-70-72(96)-750	72(96)V	90-120V (110-150V)	750W	4m³/h	70m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	Z4PC4-80-96(120)-900	96(120)V	110-150V (120-200V)	900W	4m³/h	80m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	Z4PC4-95-110(150)-1100	110(150)V	110-180V (150-250V)	1100W	4m³/h	95m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	Z4PC4-130-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4m³/h	130m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	Z4PC4-190-300-2200	300V	300-420V	2200W	4m³/h	190m	1.25"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



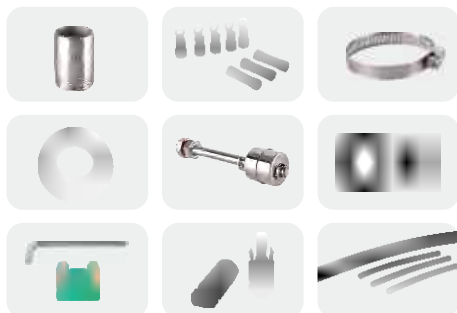
S4PC Solar Submersible Pump Series

**01****Outlet**1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS**02****Inlet**Stainless Steel
AISI 304SS/316SS**03****Bottom support**Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

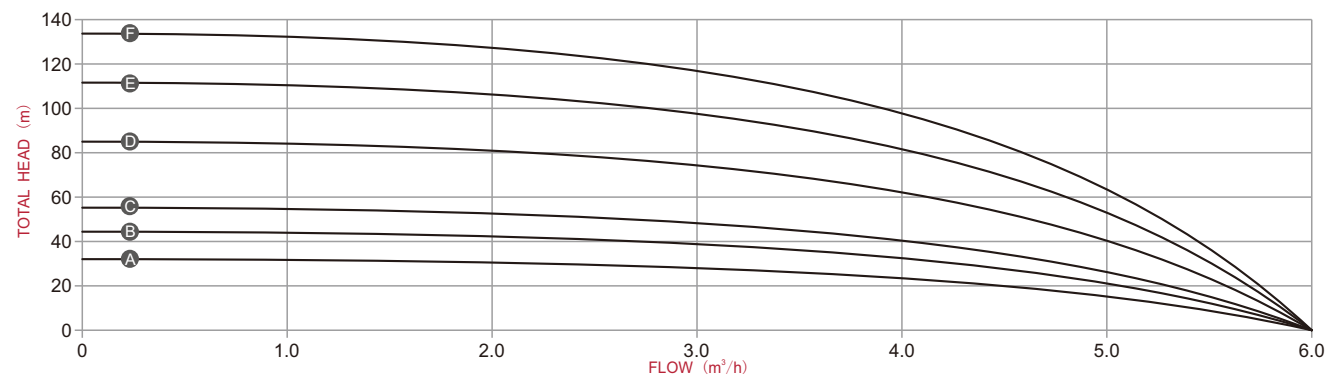


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

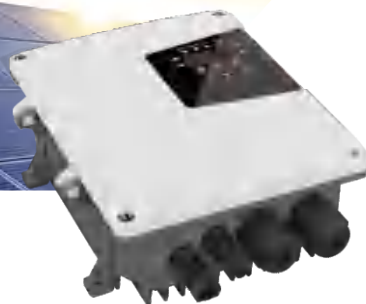
PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC6-32-48-400	48V	60-90V	400W	6.0m³/h	32m	1.25"	2m	<100V	≥1.3*PUMP POWER
B	S4PC6-42-48(72)-600	48(72)V	60-90V (72-120V)	600W	6.0m³/h	42m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
C	S4PC6-56-72(96)-750	72(96)V	90-120V (110-150V)	750W	6.0m³/h	56m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4PC6-112-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	6.0m³/h	112m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4PC6-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4PC6-175-300-2200	300V	300-420V	2200W	6.0m³/h	175m	1.25"	2m	<450V	≥1.3*PUMP POWER

SOLAR
ZAI

S4PC Solar Submersible Pump Series



ADVANCED TECHNOLOGY

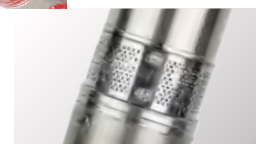


01

Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet
Stainless Steel
AISI 304SS/316SS

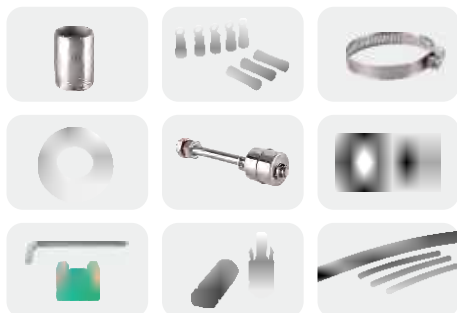


03

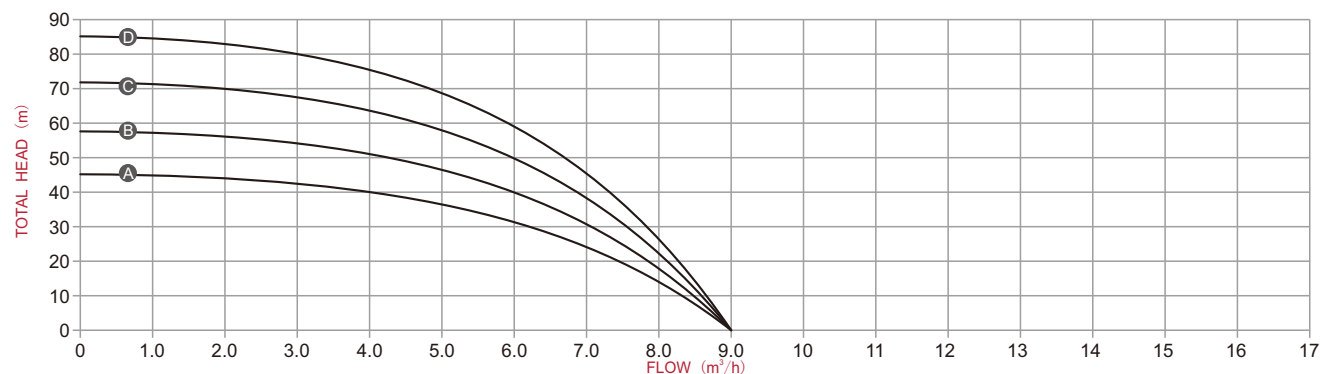
Bottom support
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC9-45-96-750	96V	110-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1.3*PUMP POWER
B	S4PC9-58-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	9.0m³/h	58m	2"	2m	<200(300)V	≥1.3*PUMP POWER
C	S4PC9-71-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	9.0m³/h	71m	2"	2m	<200(350)V	≥1.3*PUMP POWER
D	S4PC9-85-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	9.0m³/h	85m	2"	2m	<200(400)V	≥1.3*PUMP POWER
E	S4PC9-125-300-2200	300V	300-400V	2200W	9.0m³/h	125m	2"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZAI

S4PC Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



Low-voltage /
Over-voltage
Protection



Over Current
Protection



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

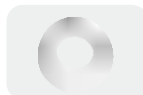
03

Bottom support

Stainless Steel
AISI 304SS/316SS

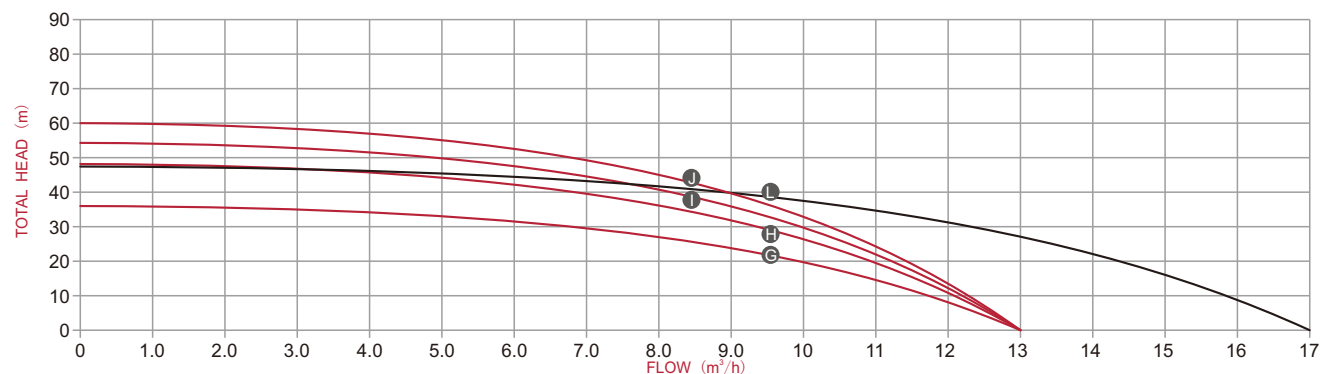


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4PC13-42-96-750	96V	110-150V	750W	13m³/h	42m	2"	2m	<200V	≥1.3*PUMP POWER
H	S4PC13-50-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	13m³/h	50m	2"	2m	<200(300)V	≥1.3*PUMP POWER
I	S4PC13-58-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	13m³/h	58m	2"	2m	<200(350)V	≥1.3*PUMP POWER
J	S4PC13-63-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	13m³/h	63m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4PC13-110-300-2200	300V	300-400V	2200W	13m³/h	110m	2"	2m	<450V	≥1.3*PUMP POWER
L	S4PC17-48-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	17m³/h	48m	2"	2m	<200(400)V	≥1.3*PUMP POWER

SOLAR
ZAI

S3SC Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

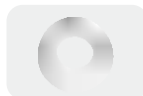
03

Bottom support

Stainless Steel
AISI 304SS/316SS

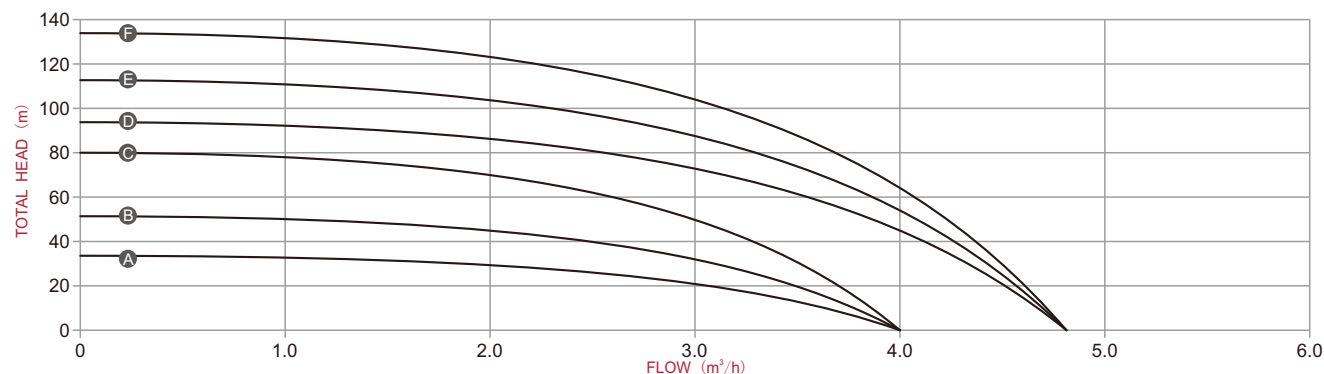


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SC4-35-24-300	24V	30-48V	300W	4.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3SC4-50-48-400	48V	60-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	S3SC4-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	4.0m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
D	S3SC4-8-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	4.8m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
E	S3SC4-8-112-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	4.8m³/h	112m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
F	S3SC4-8-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4.8m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER



S4SC Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

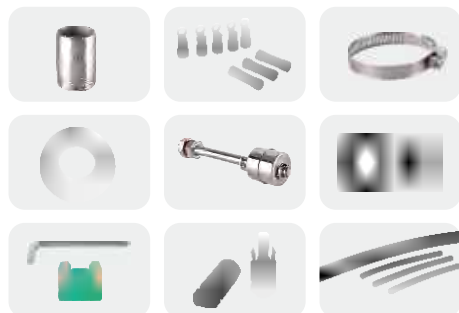
03

Bottom support

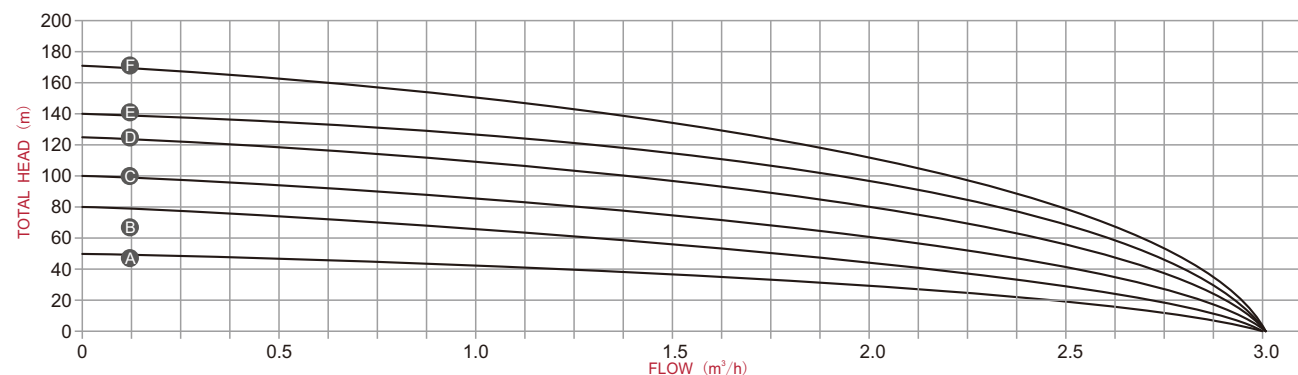
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SC3.0-50-48-400	48V	60-90V	400W	3.0m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SC3.0-80-72-600	72V	90-120V	600W	3.0m³/h	80m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SC3.0-100-72(96)-750	72(96)V	90-150V (150-200V)	750W	3.0m³/h	100m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4SC3.0-125-96(120)-900	96(120)V	110-150V (180-250V)	900W	3.0m³/h	125m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4SC3.0-140-110(150)-1100	110(200)V	110-150V (200-300V)	1100W	3.0m³/h	140m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4SC3.0-170-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.0m³/h	170m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4SC3.0-260-300-2200	300V	300-400V	2200W	3.0m³/h	260m	1.25"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

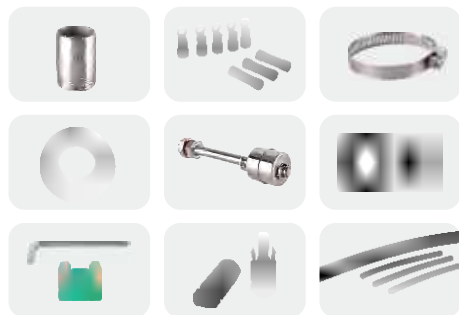
SOLAR
ZAI

S4SC Solar Submersible Pump Series

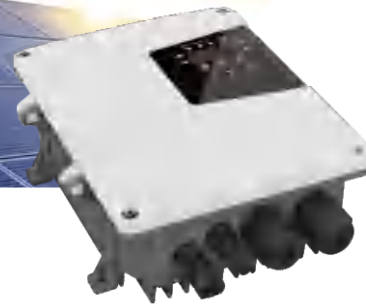
ADVANCED TECHNOLOGY



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
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Temperature Protection and against reverse polarity



01

Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

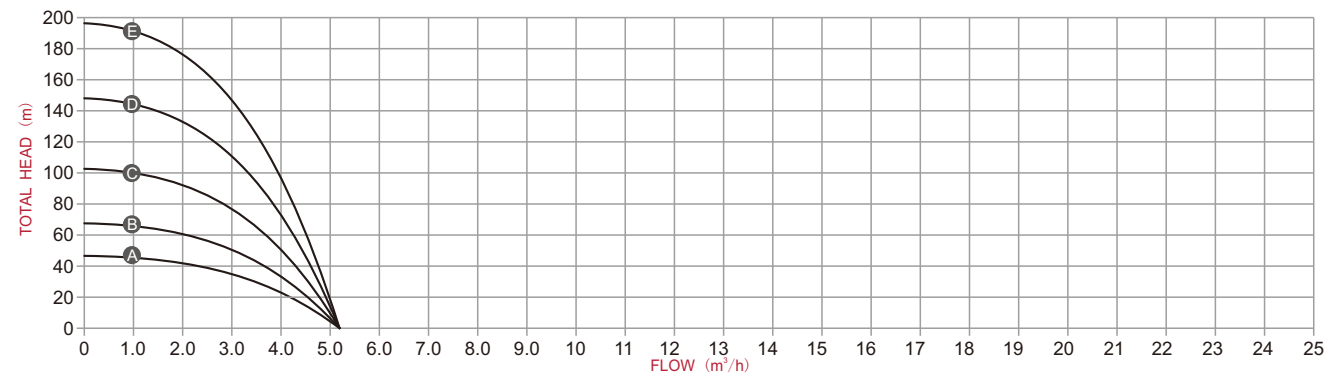
02

Inlet
Stainless Steel
AISI 304SS/316SS

03

Bottom support
Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SC5.2-67-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	67m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SC5.2-101-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	5.2m³/h	101m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SC5.2-146-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	5.2m³/h	146m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	S4SC5.2-198-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	5.2m³/h	198m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	S4SC5.2-255-300-2200	300V	300-400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER

SOLAR
ZAI

S4SC Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

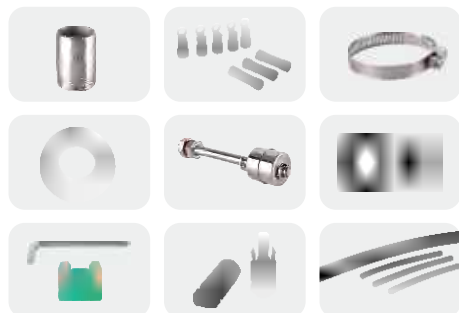
03

Bottom support

Stainless Steel
AISI 304SS/316SS

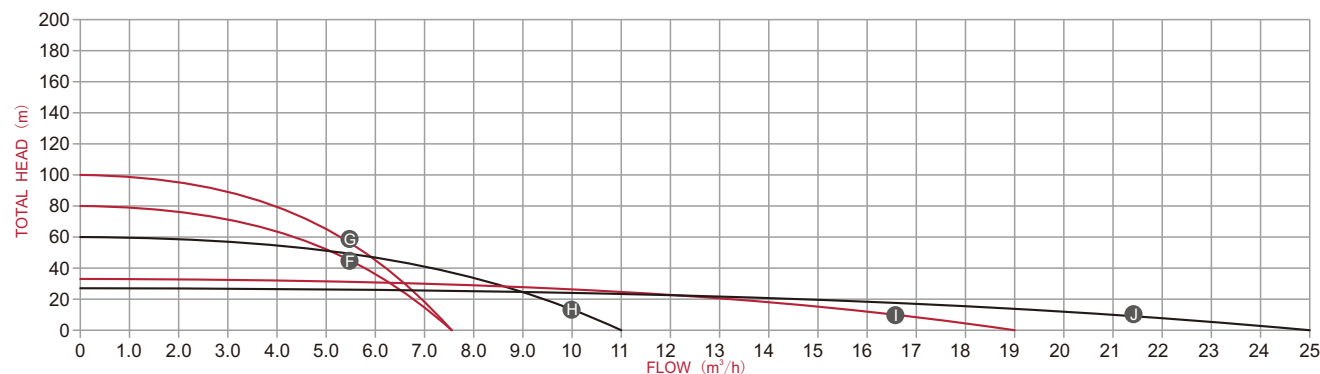


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

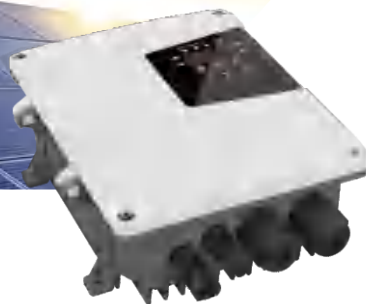
PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4SC7.5-80-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	7.5m³/h	80m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S4SC7.5-100-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	100m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
I	S4SC7.5-150-300-2200	300V	300-400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
J	S4SC11-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	11m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4SC19-35-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	19m³/h	35m	2"	2m	<200(400)V	≥1.3*PUMP POWER
L	S4SC25-26-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	25m³/h	26m	2"	2m	<200(400)V	≥1.3*PUMP POWER

SOLAR
ZAI

S4/6SC Solar Submersible Pump Series



01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

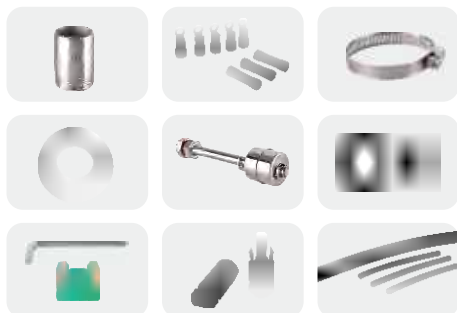
Stainless Steel
AISI 304SS/316SS



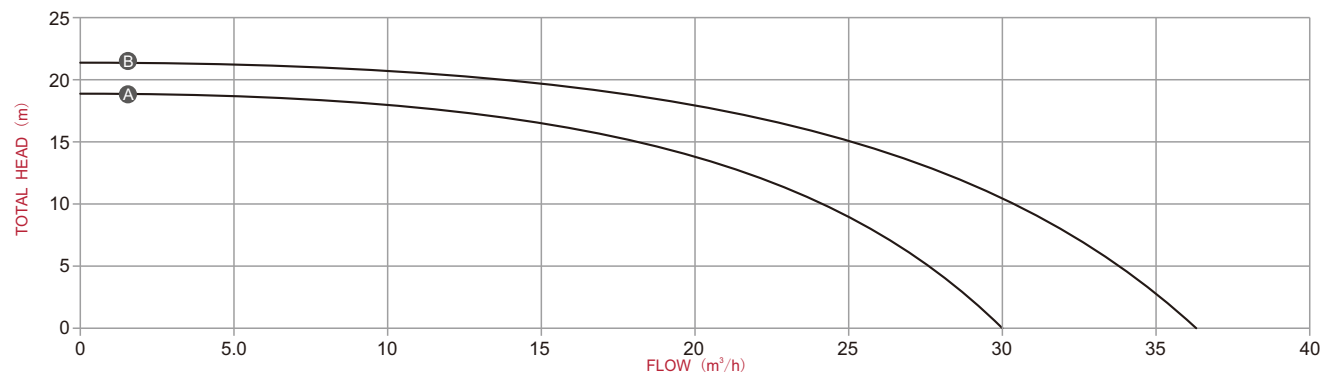
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



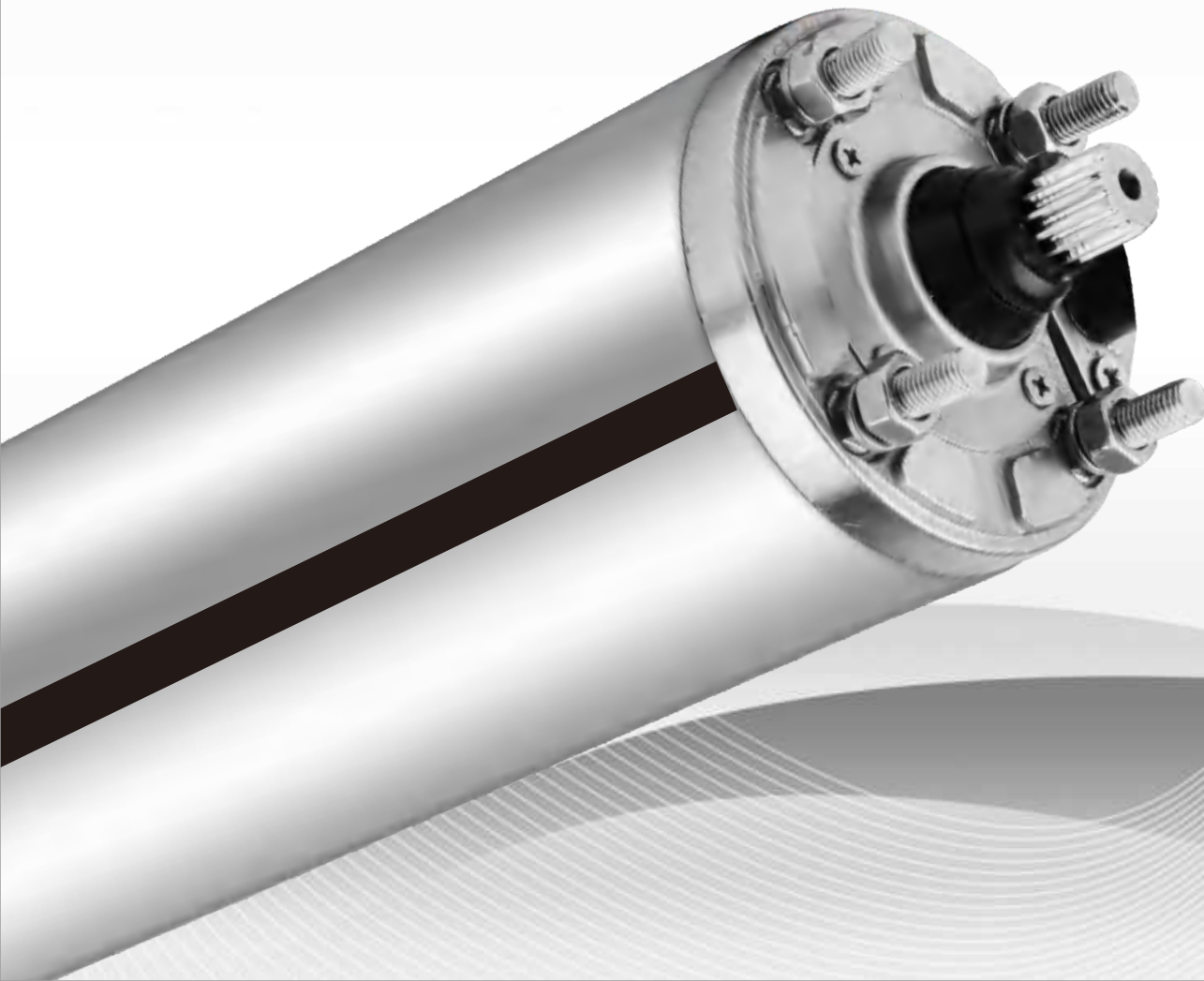
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4/6SC30-19-110(150)-1100	110(150)V	110-150V (200-300V)	1100W	30m³/h	19m	3"	2m	<200(300)V	≥1.3*PUMP POWER
B	S4/6SC36-22-110(200)-1500	110(200)V	110-150V (150-200V)	1500W	36m³/h	22m	3"	2m	<200(400)V	≥1.3*PUMP POWER
C	S4/6SC36-38-300-2200	300V	300-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
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Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



WATER - FILLED MOTOR

ENCAPSULATE MOTOR FOR OPTION



SOLAR
ZAI

S3SW Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

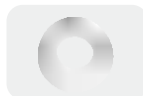
03

Bottom support

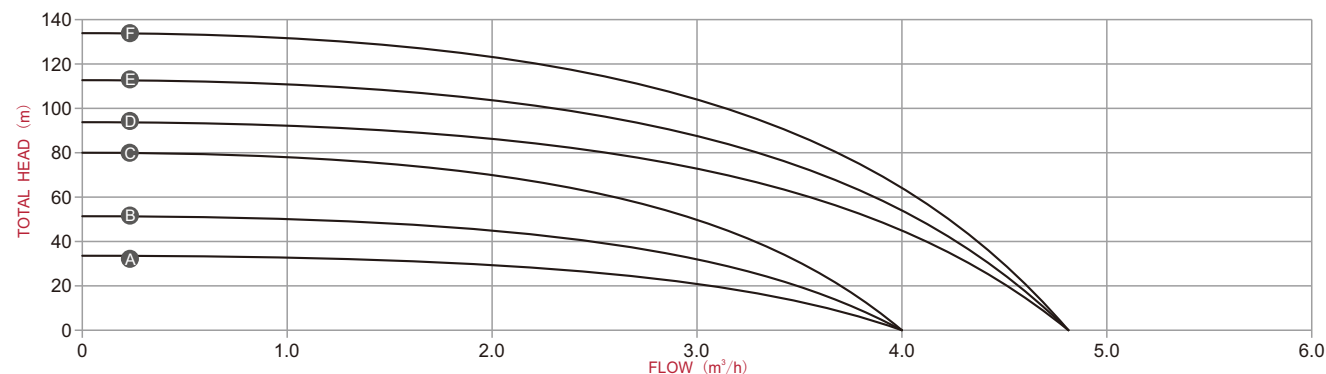
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA

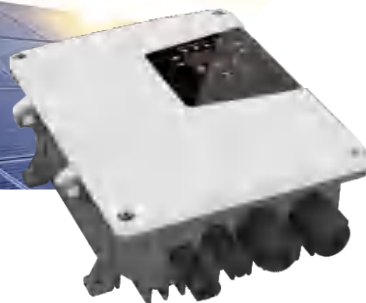


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SW4-35-24-300	24V	30-48V	300W	4.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3SW4-50-48-400	48V	60-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	S3SW4-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	4.0m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
D	S3SW4.8-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	4.8m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
E	S3SW4.8-112-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	4.8m³/h	112m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
F	S3SW4.8-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4.8m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZAI

S4SW Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

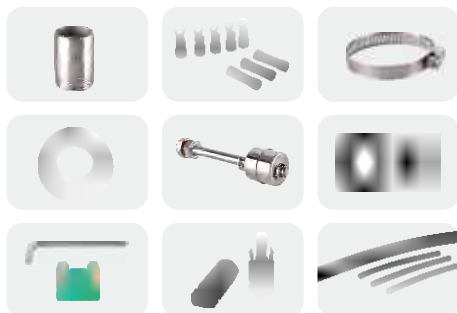
Inlet
Stainless Steel
AISI 304SS/316SS

03

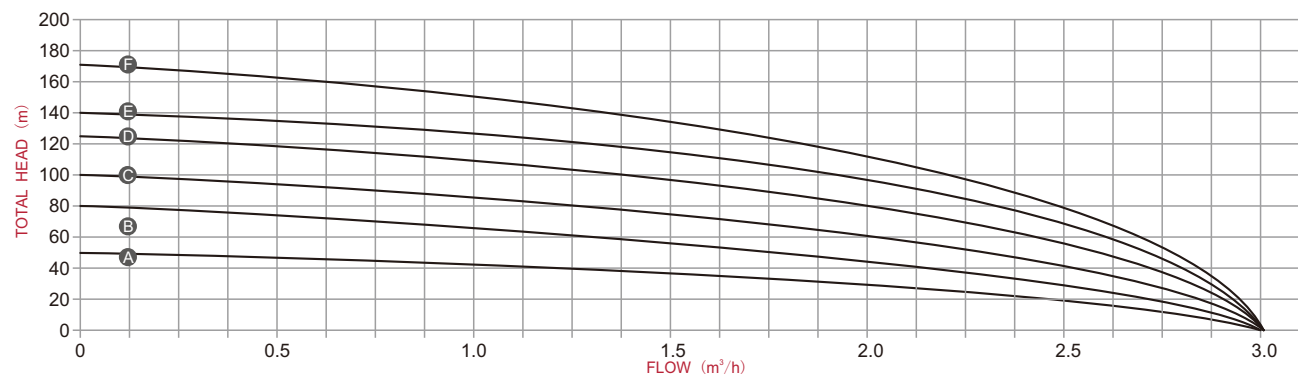
Bottom support
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA

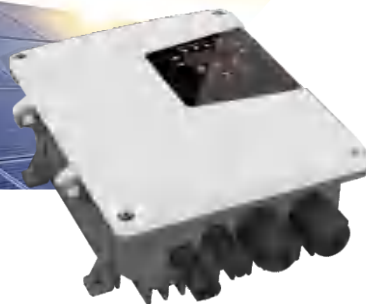


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SW3.0-50-48-400	48V	60-90V	400W	3.0m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SW3.0-80-72-600	72V	90-120V	600W	3.0m³/h	80m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SW3.0-100-72(96)-750	72(96)V	90-150V (150-200V)	750W	3.0m³/h	100m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4SW3.0-125-96(120)-900	96(120)V	110-150V (180-250V)	900W	3.0m³/h	125m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4SW3.0-140-110(150)-1100	110(200)V	110-150V (200-300V)	1100W	3.0m³/h	140m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4SW3.0-170-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.0m³/h	170m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4SW3.0-260-300-2200	300V	300-400V	2200W	3.0m³/h	260m	1.25"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZAI

S4SW Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

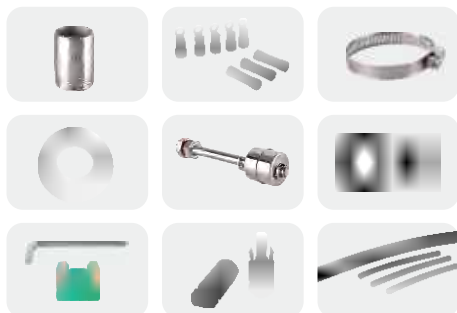
Inlet
Stainless Steel
AISI 304SS/316SS

03

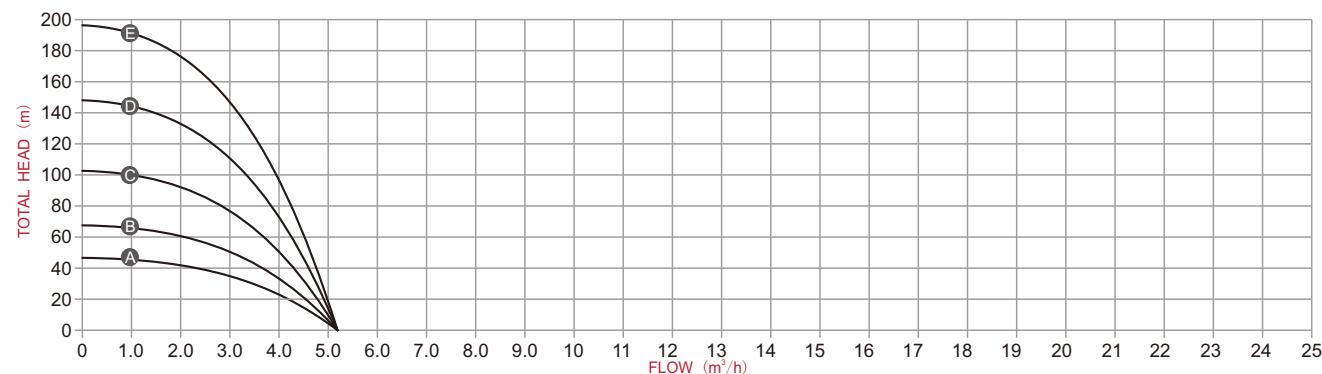
Bottom support
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA

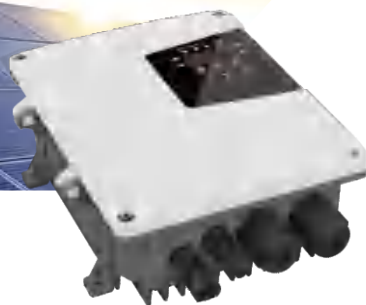


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SW5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SW5.2-67-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	67m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SW5.2-101-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	5.2m³/h	101m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SW5.2-146-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	5.2m³/h	146m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	S4SW5.2-198-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	5.2m³/h	198m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	S4SW5.2-255-300-2200	300V	300-400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZAI

S4SW Solar Submersible Pump Series



ADVANCED TECHNOLOGY



01

Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

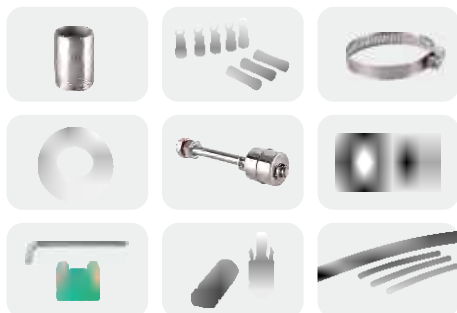
Inlet
Stainless Steel
AISI 304SS/316SS

03

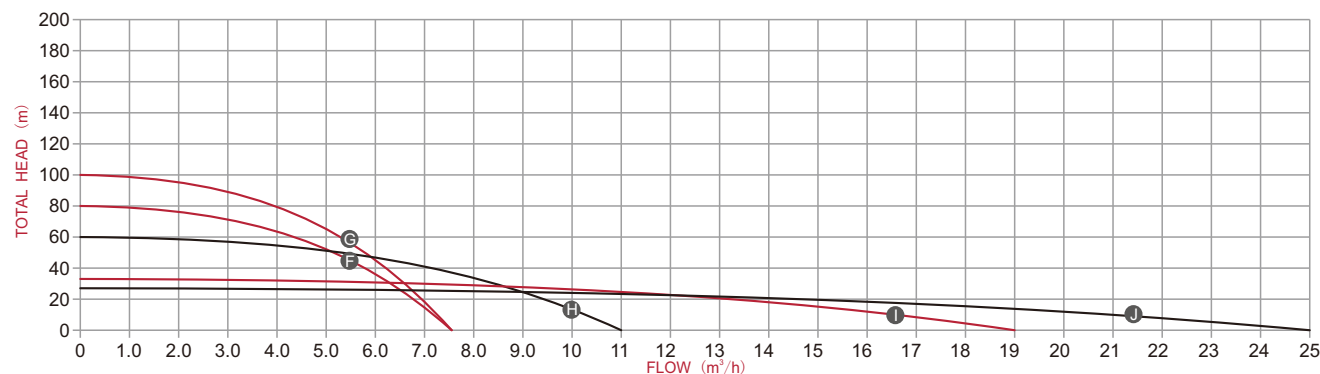
Bottom support
Stainless Steel
AISI 304SS/316SS



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4SW7.5-80-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	7.5m³/h	80m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S4SW7.5-100-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	100m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
I	S4SW7.5-150-300-2200	300V	300-400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
J	S4SW11-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	11m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4SW19-35-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	19m³/h	35m	2"	2m	<200(400)V	≥1.3*PUMP POWER
L	S4SW25-26-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	25m³/h	26m	2"	2m	<200(400)V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

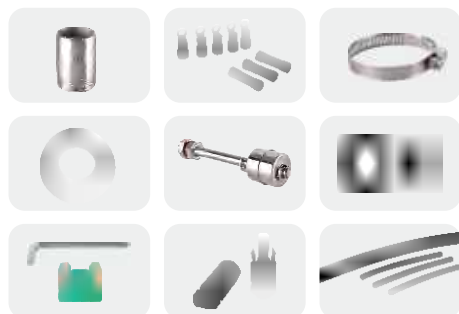
SOLAR
ZAI

S4/6SW Solar Submersible Pump Series

ADVANCED TECHNOLOGY



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

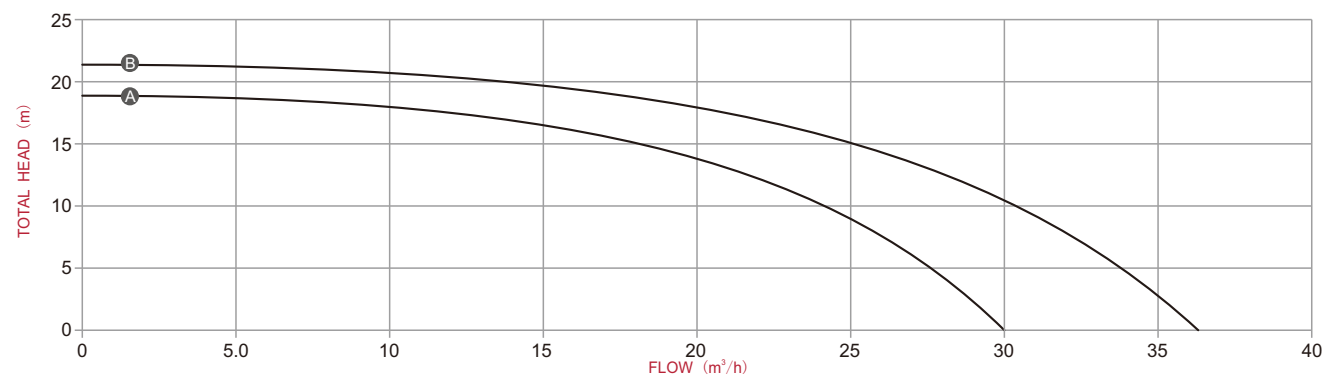
Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4/6SW30-19-110(150)-1100	110(150)V	110-150V (200-300V)	1100W	30m³/h	19m	3"	2m	<200(300)V	≥1.3*PUMP POWER
B	S4/6SW36-22-110(200)-1500	110(200)V	110-150V (150-200V)	1500W	36m³/h	22m	3"	2m	<200(400)V	≥1.3*PUMP POWER
C	S4/6SW36-38-300-2200	300V	300-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER



SSQD Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



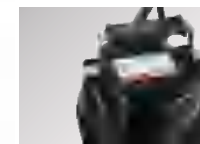
Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

2.0 inch, 3.0 inch, 4.0 inch,
Cast Iron

02

Inlet

Cast Iron



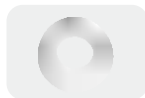
03

Bottom support

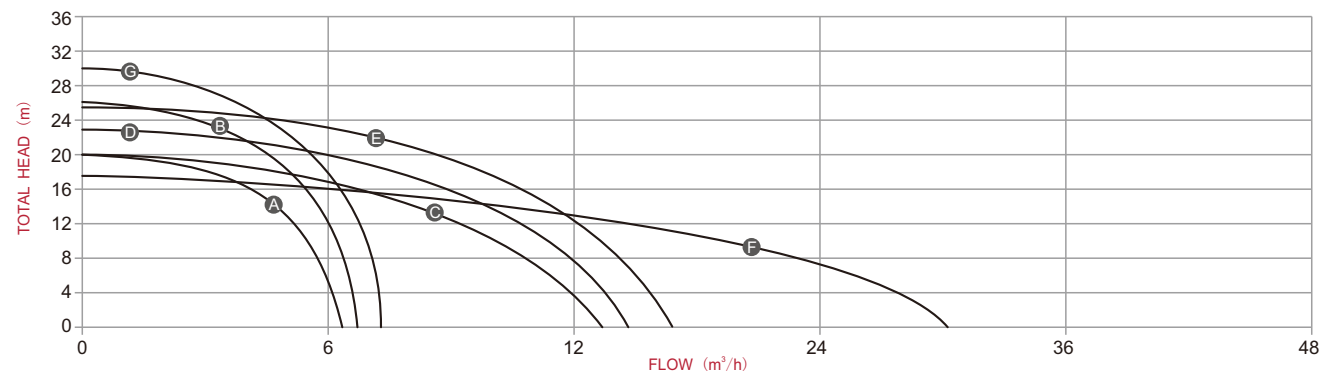
Cast Iron



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD6.5-20-72-550	72V	72-120V	550W	6.5m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
B	SSQD7.0-26-96-750	96V	96-150V	750W	7.0m³/h	26m	2"	2m	<200V	≥1.3*PUMP POWER
C	SSQD13-20-72-550	72V	72-120V	550W	13m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
D	SSQD14-23-96-750	96V	96-150V	750W	14m³/h	23m	2"	2m	<200V	≥1.3*PUMP POWER
E	SSQD16-25-150-1100	150V	150-200V	1100W	16m³/h	25m	2"	2m	<300V	≥1.3*PUMP POWER
F	SSQD17-30-180-1300	180V	180-250V	1300W	17m³/h	30m	2"	2m	<350V	≥1.3*PUMP POWER
G	SSQD30-8-96-750	96V	96-150V	750W	30m³/h	8m	3"	2m	<200V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



SSQD Solar Submersible Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



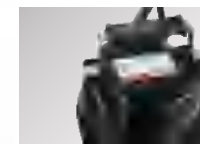
Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

2.0 inch, 3.0 inch, 4.0 inch, Cast Iron

02

Inlet

Cast Iron



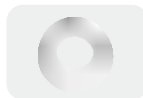
03

Bottom support

Cast Iron

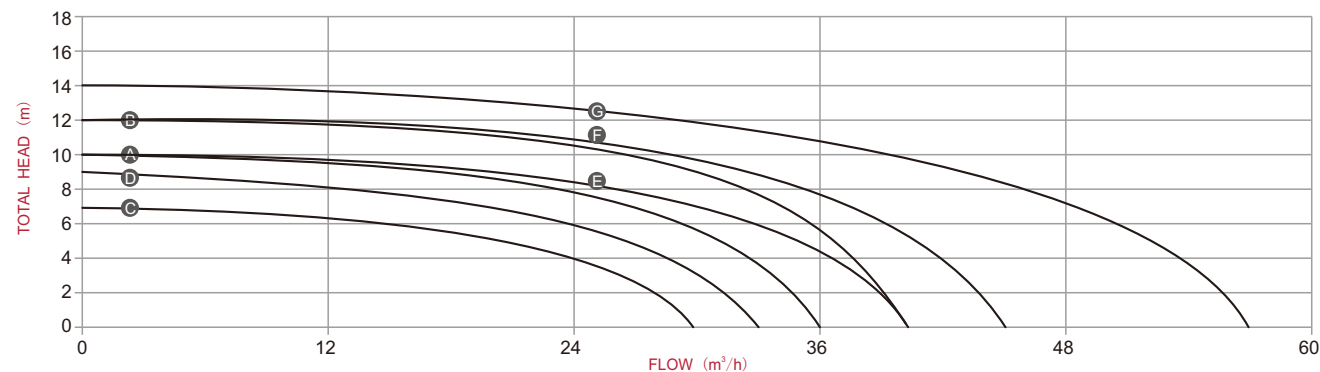


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe, dry running protection
Battery Operation, low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD36-10-150-1100	150V	150-200V	1100W	36m³/h	10m	3"	2m	<300V	≥1.3*PUMP POWER
B	SSQD40-12-180-1300	180V	180-250V	1300W	40m³/h	12m	3"	2m	<350V	≥1.3*PUMP POWER
C	SSQD30-7-96-750	96V	96-150V	750W	30m³/h	7m	3"	2m	<200V	≥1.3*PUMP POWER
D	SSQD33-9-150-1100	150V	150-200V	1100W	33m³/h	9m	3"	2m	<300V	≥1.3*PUMP POWER
E	SSQD40-10-180-1300	180V	180-250V	1300W	40m³/h	10m	4"	2m	<350V	≥1.3*PUMP POWER
F	SSQD45-12-200-1500	200V	200-300V	1500W	45m³/h	12m	4"	2m	<400V	≥1.3*PUMP POWER
G	SSQD56-14-300-2200	300V	300-400V	2200W	56m³/h	14m	4"	2m	<400V	≥1.3*PUMP POWER



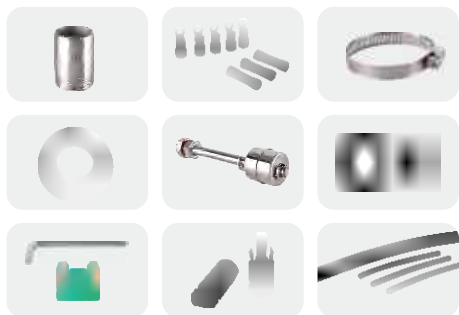
SSQB Solar Surface Pump Series



ADVANCED TECHNOLOGY

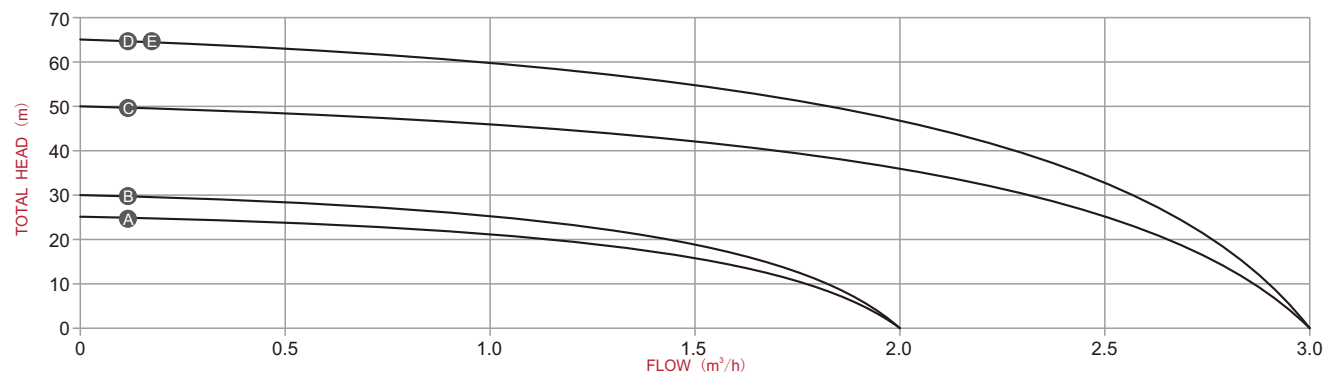


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

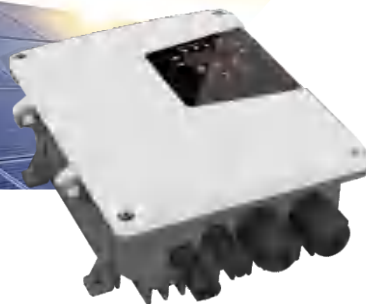
PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1×1"	2m	<50V	≥1.3*PUMP POWER
B	SSQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1×1"	2m	<50V	≥1.3*PUMP POWER
C	SSQB3-50-48-550	48V	60-90V (72-120V)	550W	3m³/h	50m	1×1"	2m	<100V	≥1.3*PUMP POWER
D	SSQB3-65-72(96)-750	72(96)V	90-120V (110-150V)	750W	3m³/h	65m	1×1"	2m	<150(200)V	≥1.3*PUMP POWER



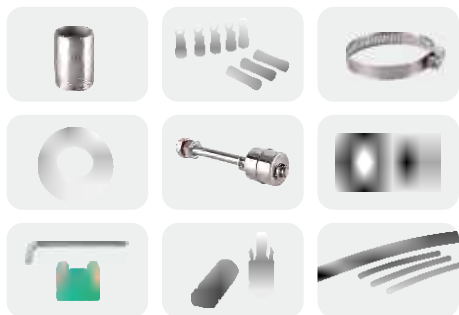
SSSP Solar Surface Pump Series



ADVANCED TECHNOLOGY

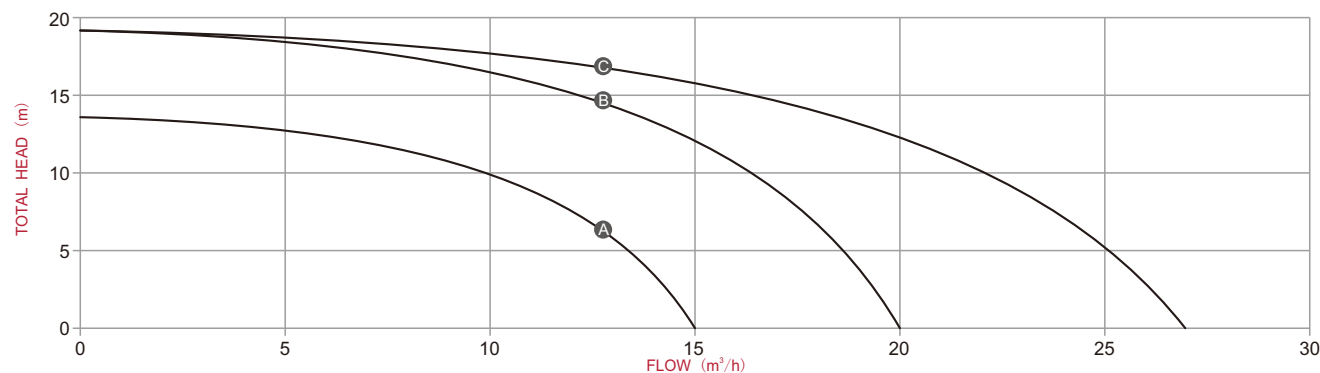


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSSP15-14-48(72)-500	48(72)V	60-90V (72-120V)	500W	15m³/h	14m	2×2"	2m	<100V	≥1.3*PUMP POWER
B	SSSP20-19-110(150)-900	110(150)V	110-150V (150-200V)	900W	20m³/h	19m	2×2"	2m	<200V	≥1.3*PUMP POWER
C	SSSP27-19-110(150)-1200	110(150)V	110-150V (150-200V)	1200W	27m³/h	19m	3×3"	2m	<200V	≥1.3*PUMP POWER



SSH F Solar Surface Pump Series

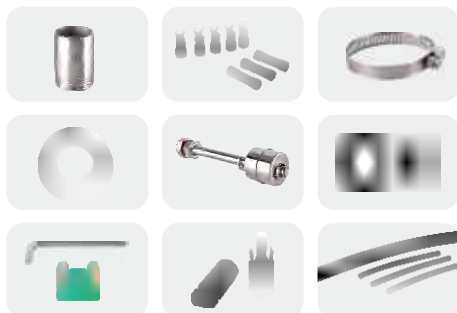


WITH FRAME

ADVANCED TECHNOLOGY

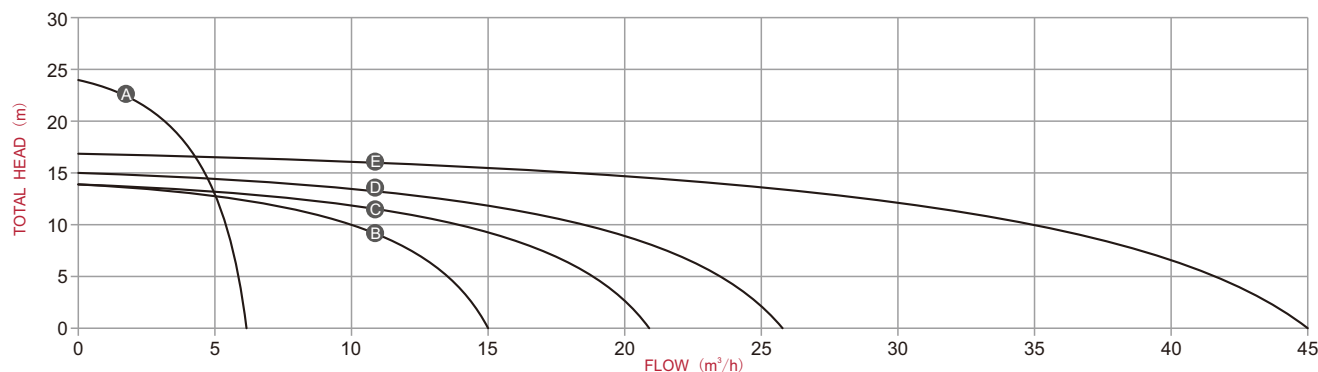


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSH F6-24-48-550	48(72)V	60-90V (72-120V)	550W	6m³/h	24m	1×1"	1m	<100V	≥1.3*PUMP POWER
B	SSH F15-14-48-550	48(72)V	60-90V (72-120V)	550W	15m³/h	14m	1.5×1.5"	1m	<100V	≥1.3*PUMP POWER
C	SSH F21-14-72(96)-750	72(96)V	90-120V (110-150V)	750W	21m³/h	14m	2×2"	1m	<150V	≥1.3*PUMP POWER
D	SSH F26-15-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	26m³/h	15m	2×2"	1m	<200V	≥1.3*PUMP POWER
E	SSH F45-17-110(200)-1500	110(150)V	110-150V (200-300V)	1500W	45m³/h	17m	3×3"	1m	<200V	≥1.3*PUMP POWER



ZSCO DC

MPPT CONTROLLER

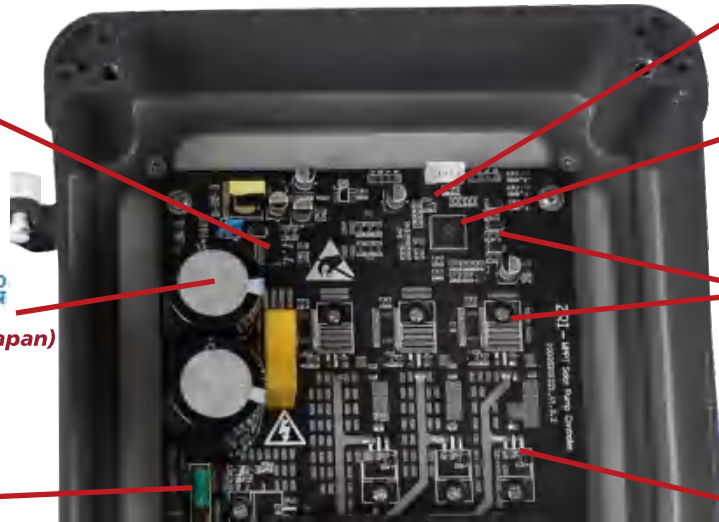


DC MPPT CONTROLLER

onsemi
ONSEMI (USA)
Regulated Power Supply

CapXon **UNITED CHEMI-CON**
CapXon (Taiwan) / NCC (Japan)
Electrolytic capacitor

Littelfuse (USA) Fuse



TEXAS INSTRUMENTS
TI (USA) Driver chip

active semi **Silan**
Active-Semi (USA) / SILAN MCU

Infineon(USA) IC Driver
Infineon(USA) MOSFET
Magna(Korea) MOSFET

SAMSUNG (Korea) Chip Resistor



Sine Wave Motor Driving Mode

with Disturbance Observation Method MPPT Tracking, more water come out at the same condition than other brand products.



Military Hardware Standard

ZRI controller select the best brand of components, which ensures the quality and reliability of products.



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



Low-voltage /
Over-voltage
Protection



Over Current
Protection





APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW
WELL



HIGHLIFT



HOME SWIMMING
POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation

ZSCO-ADHY AC/DC

SWITCHING MPPT CONTROLLER SOLAR PUMP SERIES

www.zripump.com



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



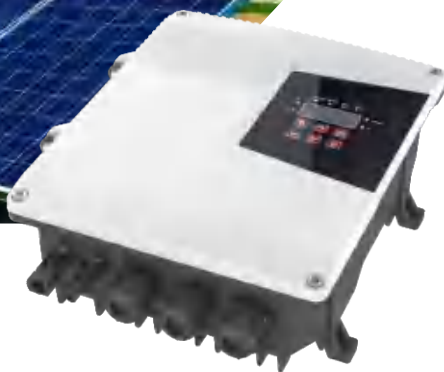
ZSCO - ADHY AC/DC

SWITCHING MPPT CONTROLLER



Z3PC-A/DHY

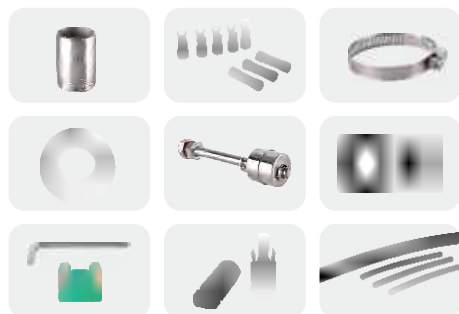
AC/DC Hybrid Solar Pump Series

**01****Outlet**1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS**02****Inlet**Stainless Steel
AISI 304SS/316SS**03****Bottom support**Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

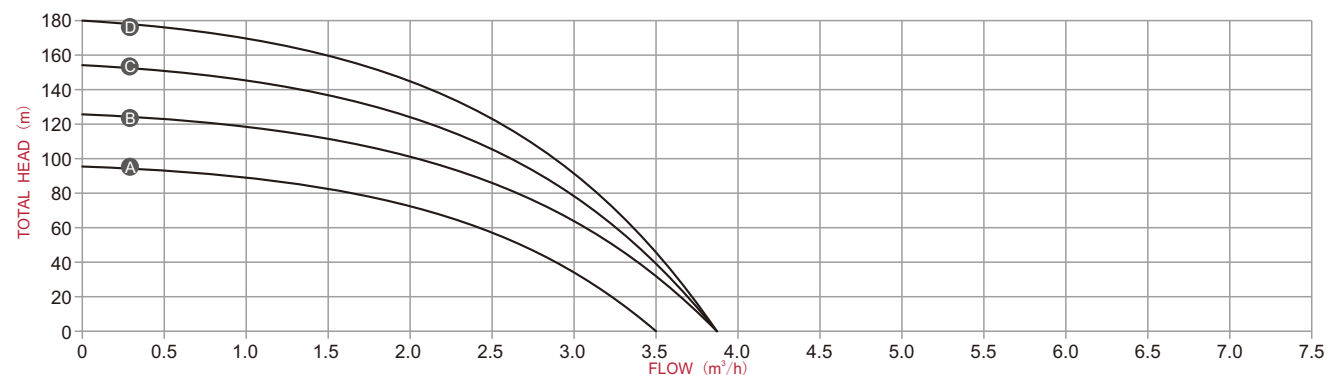


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC3.5-95-110-750-A/D	80-280V AC	80-400V DC	750W	3.5m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC3.8-123-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC3.8-155-150-1300-A/D	80-280V AC	80-400V DC	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC3.8-180-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z3PC-A/DHY

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



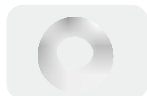
Low-voltage / Over-voltage Protection



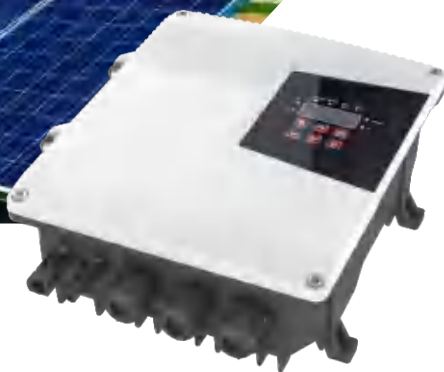
Over Current Protection



FREE SPARE PARTS



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Temperature Protection and against reverse polarity



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

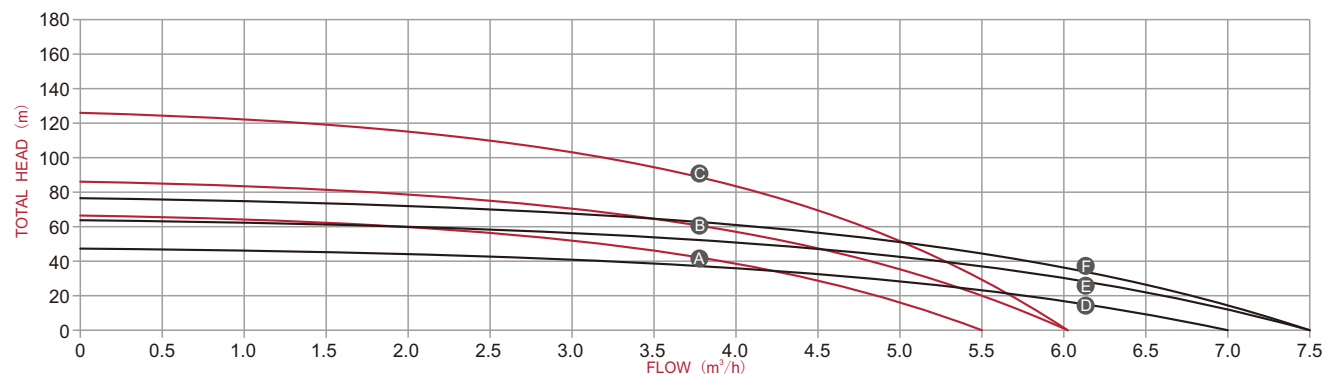


03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC5.5-65-110-750-A/D	80-280V AC	80-400V DC	750W	5.5m³/h	65m	1.5"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.5"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC6-125-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	125m	1.5"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC7-46-110-750-A/D	80-280V AC	80-400V DC	750W	7m³/h	46m	1.5"	2m	<420V	≥1.3*PUMP POWER
E	Z3PC7.5-62-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	62m	1.5"	2m	<420V	≥1.3*PUMP POWER
F	Z3PC7.5-78-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	78m	1.5"	2m	<420V	≥1.3*PUMP POWER

SOLAR
Z4PC

Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



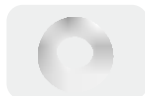
Low-voltage / Over-voltage Protection



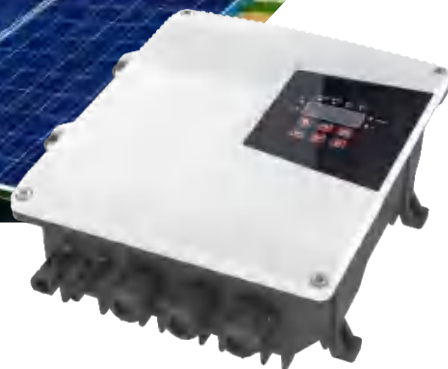
Over Current Protection



FREE SPARE PARTS



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Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



01

Outlet

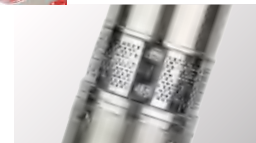
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS

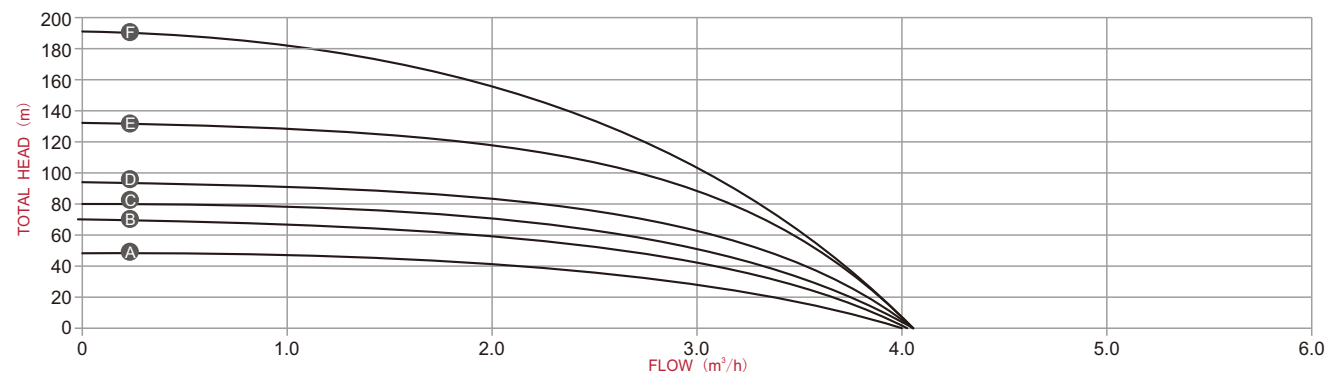


03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC4-50-72-600-A/D	80-280V AC	80-400V DC	600W	4m³/h	50m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC4-70-96-750-A/D	80-280V AC	80-400V DC	750W	4m³/h	70m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC4-80-120-900-A/D	80-280V AC	80-400V DC	900W	4m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC4-95-150-1100-A/D	80-280V AC	80-400V DC	1100W	4m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC4-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC4-190-300-2200-A/D	80-280V AC	80-400V DC	2200W	4m³/h	190m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

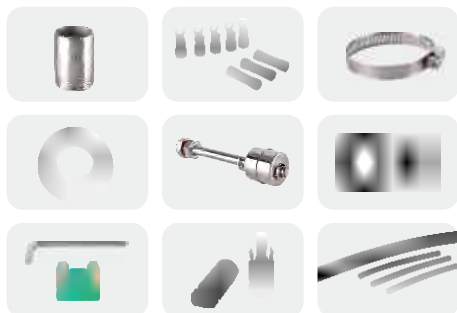
Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series

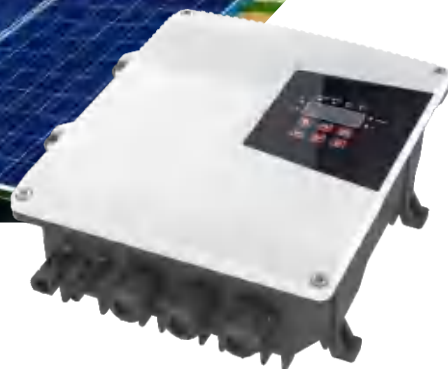
ADVANCED TECHNOLOGY



FREE SPARE PARTS



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Temperature Protection and against reverse polarity



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



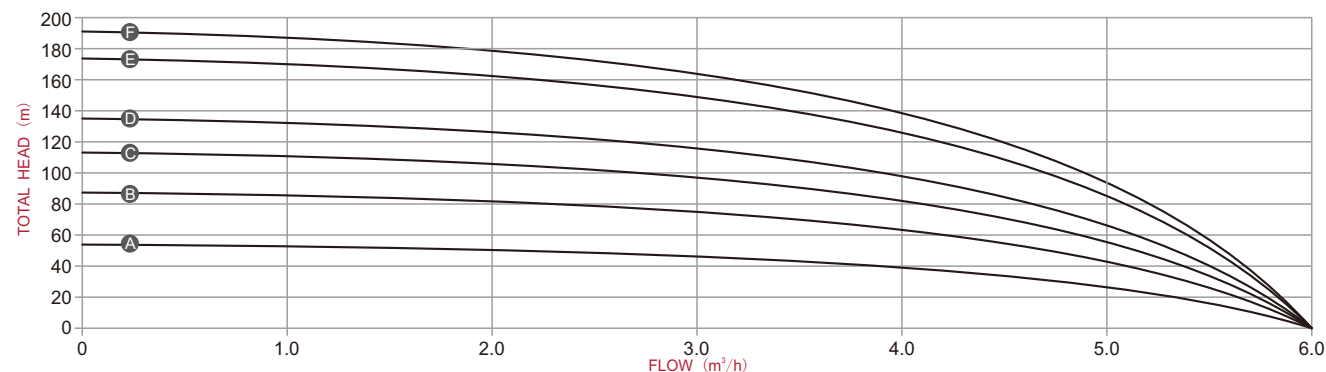
03

Bottom support

Stainless Steel
AISI 304SS/316SS



PERFORMANCE CURVES AND DATA

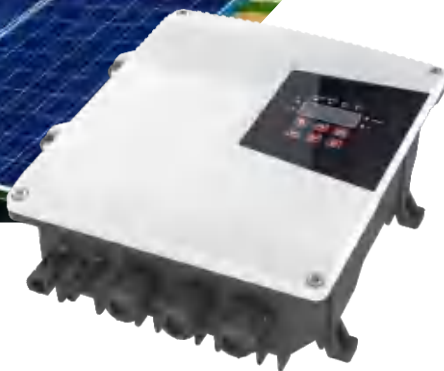


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC6-56-110-750-A/D	80-280V AC	80-400V DC	750W	6m³/h	56m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC6-112-150-1300-A/D	80-280V AC	80-400V DC	1300W	6m³/h	112m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC6-135-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	135m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC6-175-300-2200-A/D	80-280V AC	80-400V DC	2200W	6m³/h	175m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC6-192-300-2500-A/D	80-280V AC	80-400V DC	2500W	6m³/h	192m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series



01

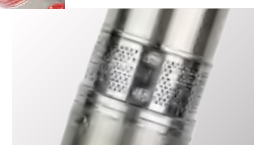
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

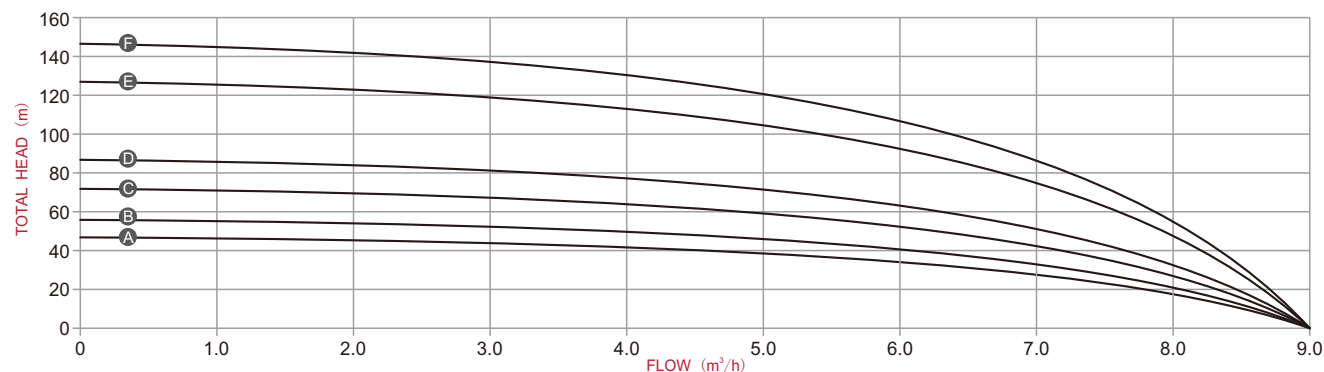
Stainless Steel
AISI 304SS/316SS



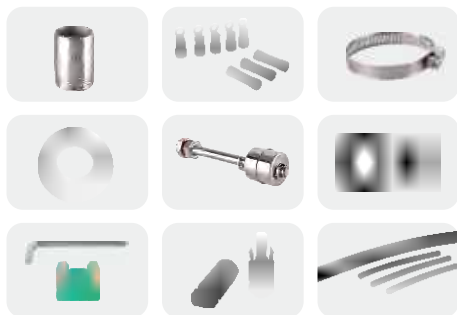
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



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Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC9-45-110-750-A/D	80-280V AC	80-400V DC	750W	9m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC9-58-150-1100-A/D	80-280V AC	80-400V DC	1100W	9m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC9-71-150-1300-A/D	80-280V AC	80-400V DC	1300W	9m³/h	71m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC9-85-200-1500-A/D	80-280V AC	80-400V DC	1500W	9m³/h	85m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC9-125-300-2200-A/D	80-280V AC	80-400V DC	2200W	9m³/h	125m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC9-148-300-2500-A/D	80-280V AC	80-400V DC	2500W	9m³/h	148m	2"	2m	<420V	≥1.3*PUMP POWER

SOLAR
Z4PC

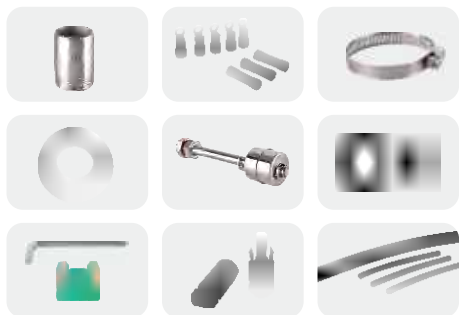
Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series

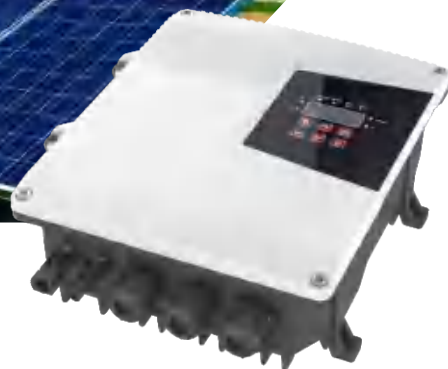
ADVANCED TECHNOLOGY



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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Temperature Protection and against reverse polarity



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

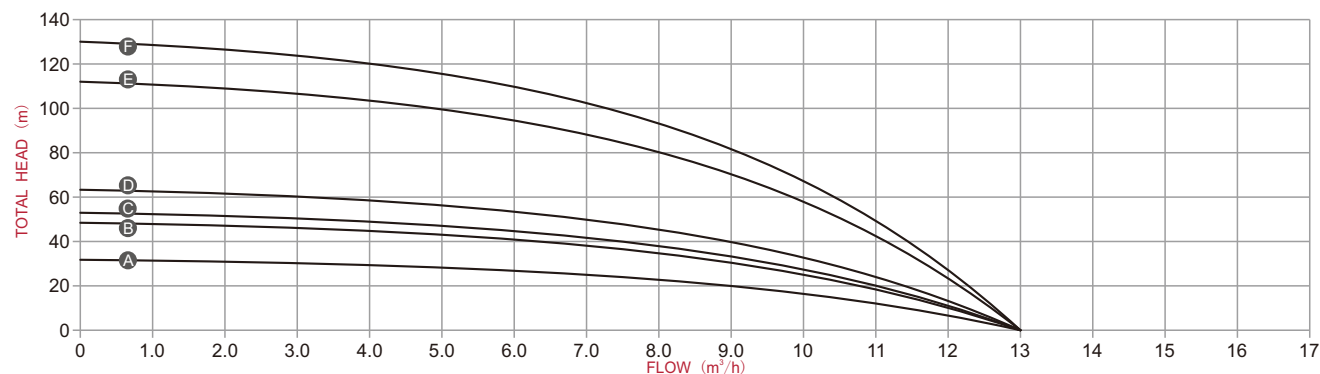
Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA

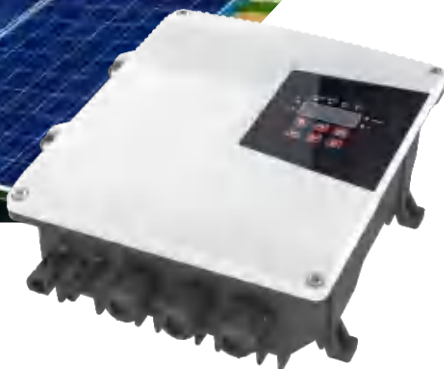


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC13-42-110-750-A/D	80-280V AC	80-400V DC	750W	13m³/h	42m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC13-50-150-1100-A/D	80-280V AC	80-400V DC	1100W	13m³/h	50m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC13-58-150-1300-A/D	80-280V AC	80-400V DC	1300W	13m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC13-63-200-1500-A/D	80-280V AC	80-400V DC	1500W	13m³/h	63m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC13-110-300-2200-A/D	80-280V AC	80-400V DC	2200W	13m³/h	110m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC13-130-300-2500-A/D	80-280V AC	80-400V DC	2500W	13m³/h	130m	2"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series



01

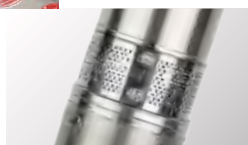
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

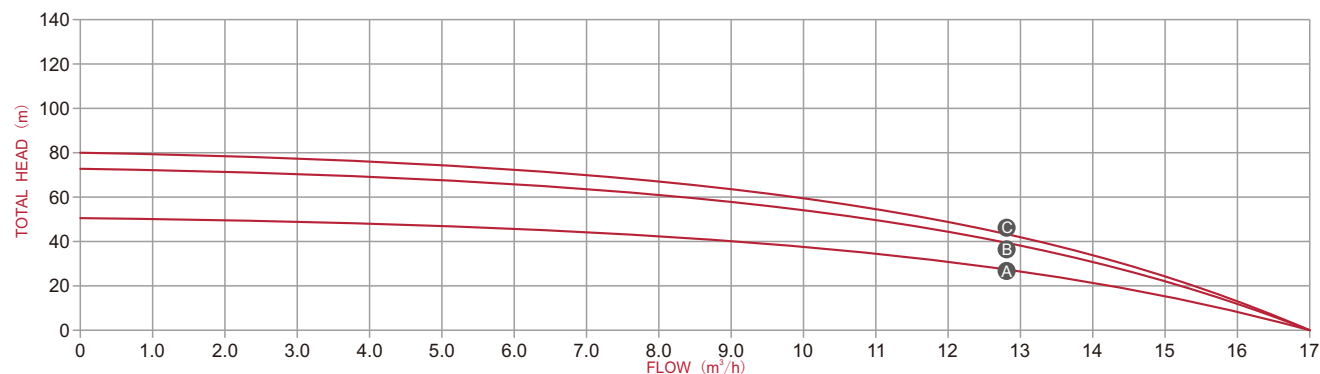
Stainless Steel
AISI 304SS/316SS



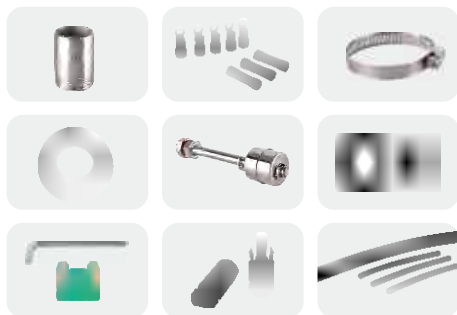
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



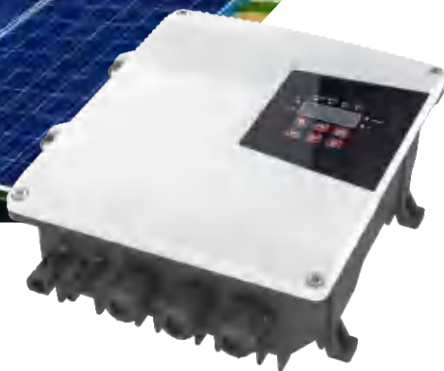
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No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC17-48-200-1500-A/D	80-280V AC	80-400V DC	1500W	17m³/h	48m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC17-72-300-2200-A/D	80-280V AC	80-400V DC	2200W	17m³/h	72m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC17-80-300-2500-A/D	80-280V AC	80-400V DC	2500W	17m³/h	80m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC20-45-200-1500-A/D	80-280V AC	80-400V DC	1500W	20m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC22-70-300-2200-A/D	80-280V AC	80-400V DC	2200W	22m³/h	70m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC30-60-300-2500-A/D	80-280V AC	80-400V DC	2500W	30m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z3SC-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

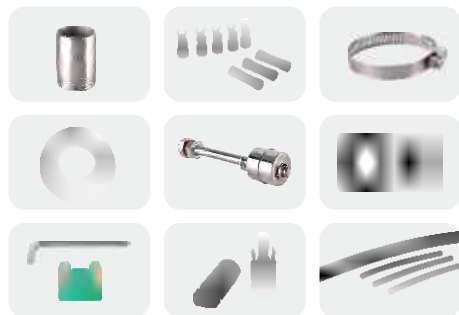
Bottom support

Stainless Steel
AISI 304SS/316SS

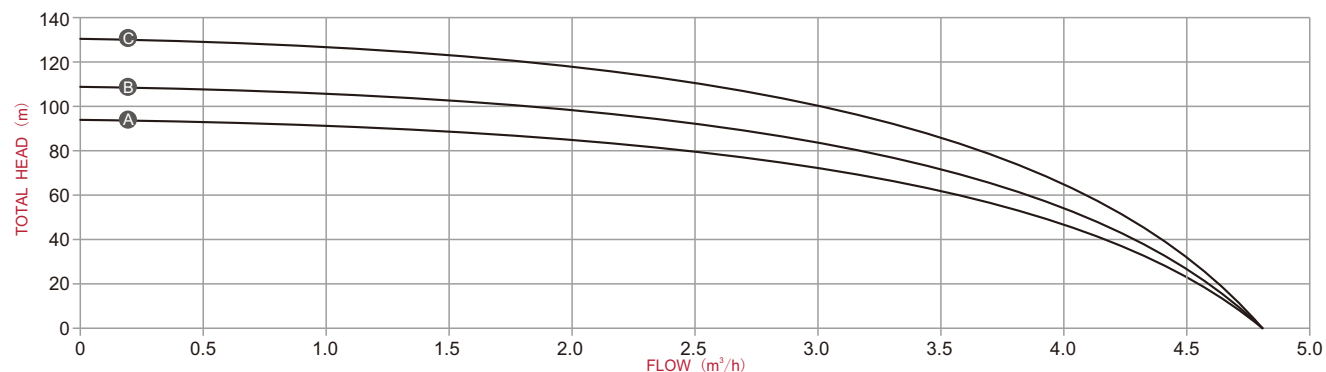
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SC4.8-95-110-750-A/D	80-280V AC	80-400V DC	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SC4.8-110-150-1100-A/D	80-280V AC	80-400V DC	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SC4.8-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER

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SOLAR
ZRI

Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

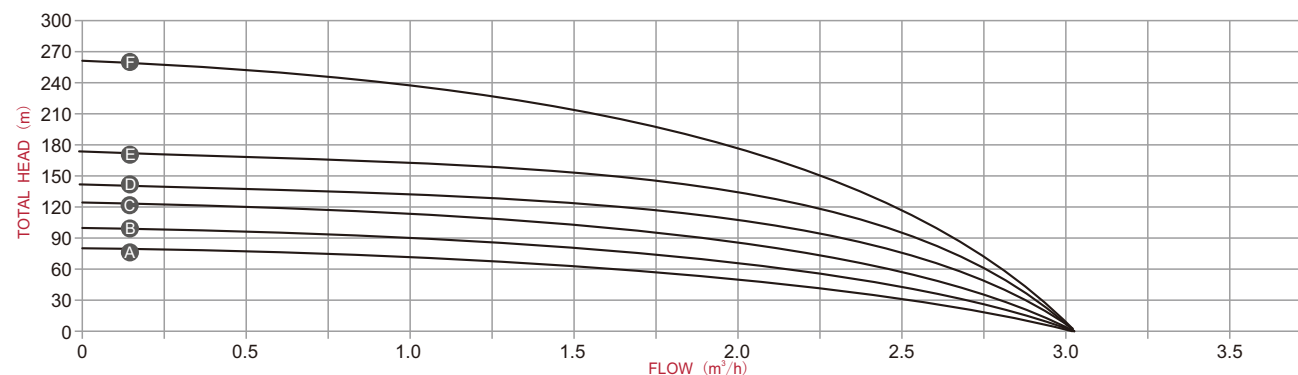
Stainless Steel
AISI 304SS/316SS

03

Bottom support

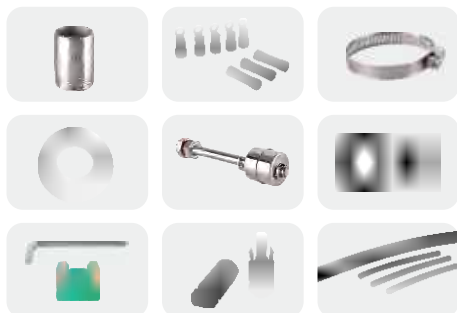
Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER

FREE SPARE PARTS

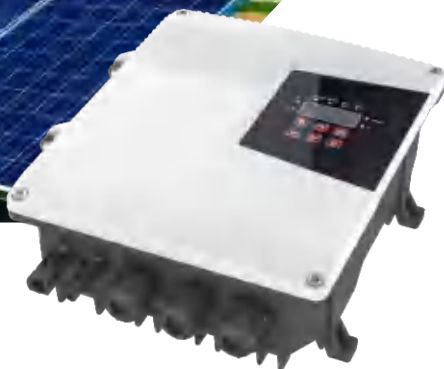


Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

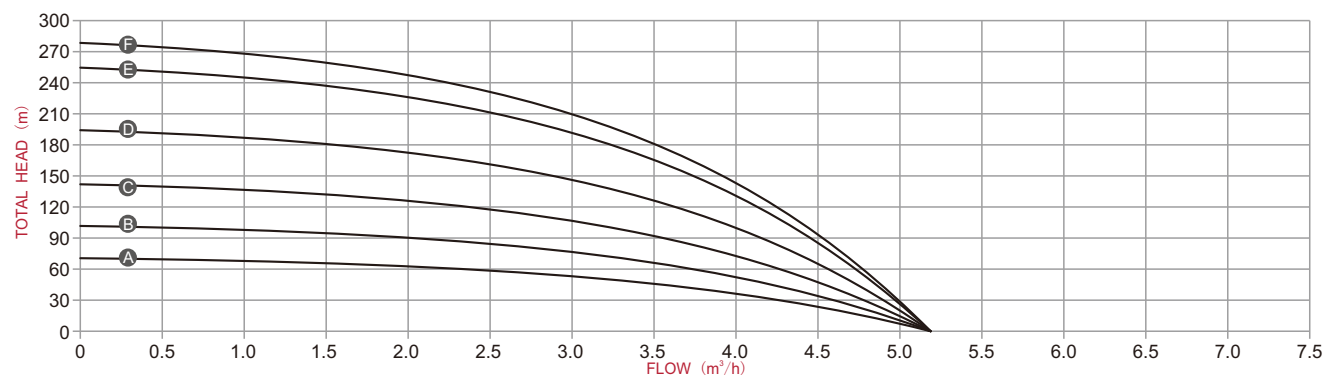
Stainless Steel
AISI 304SS/316SS



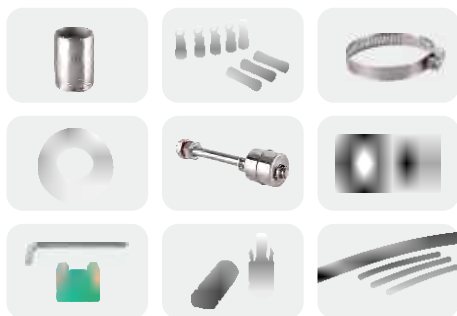
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

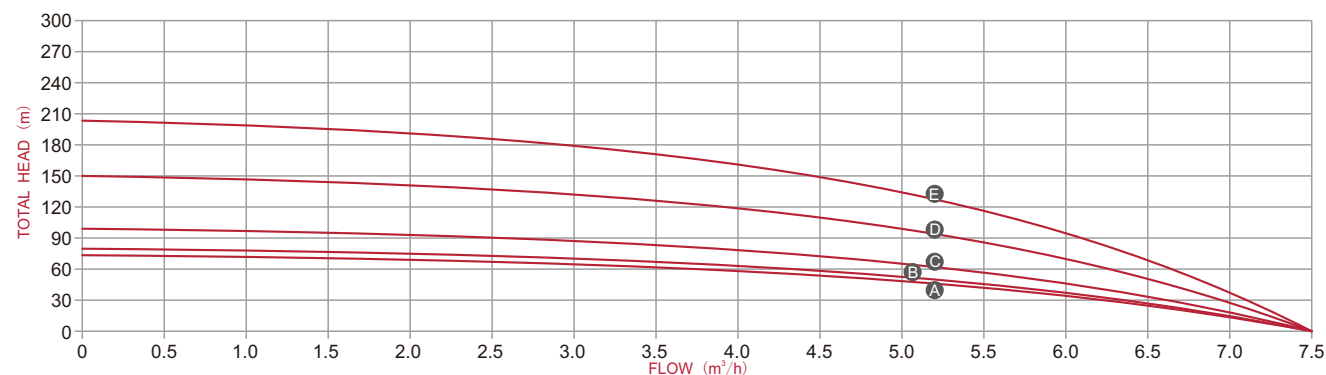
Stainless Steel
AISI 304SS/316SS

03

Bottom support

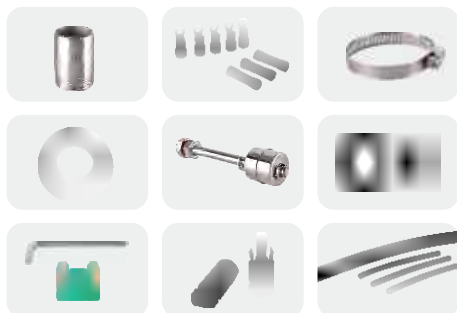
Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER

FREE SPARE PARTS

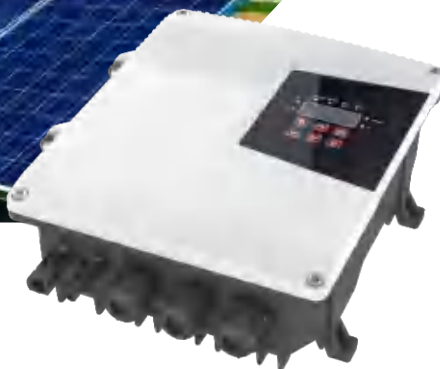


Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

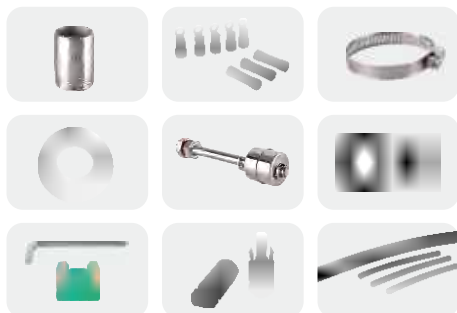
Stainless Steel
AISI 304SS/316SS



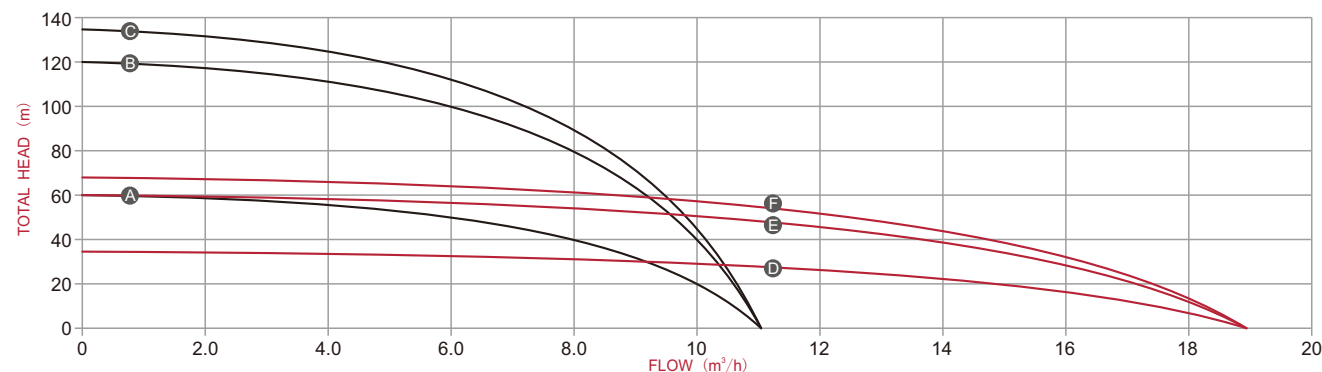
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



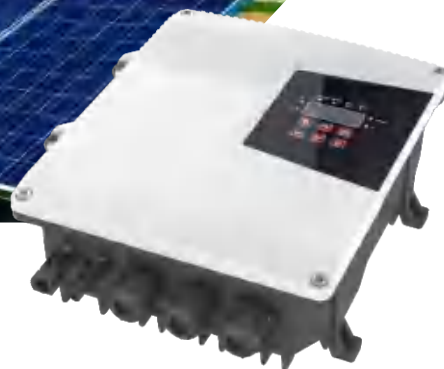
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4/6SC-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

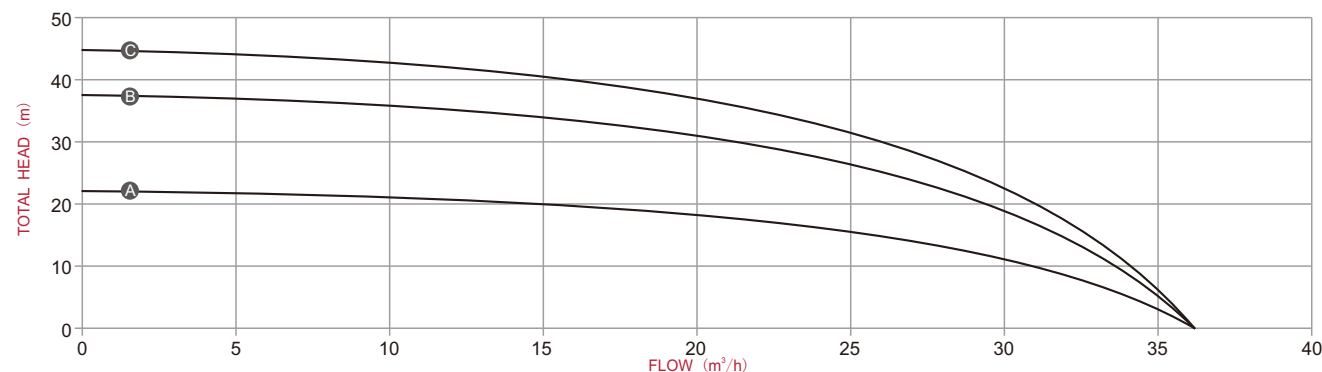
Stainless Steel
AISI 304SS/316SS



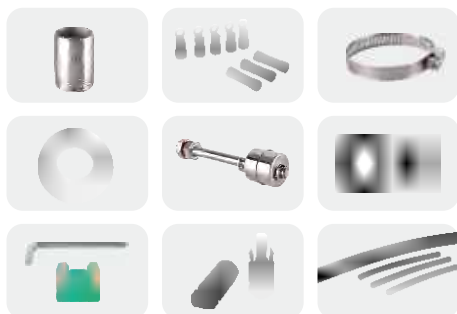
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SC36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SC36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SC36-45-300-2500-A/D	80-280V AC	80-400V DC	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



WATER - FILLED MOTOR

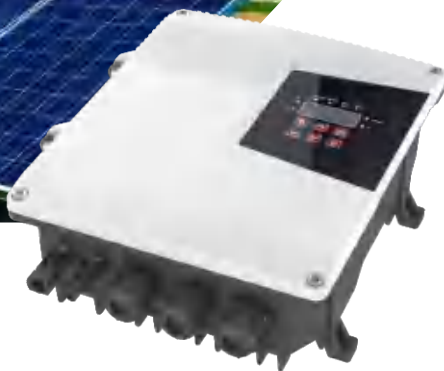
ENCAPSULATE MOTOR FOR OPTION



SOLAR
ZRI

Z3SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

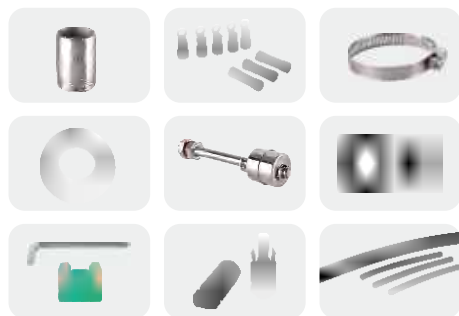
Bottom support

Stainless Steel
AISI 304SS/316SS

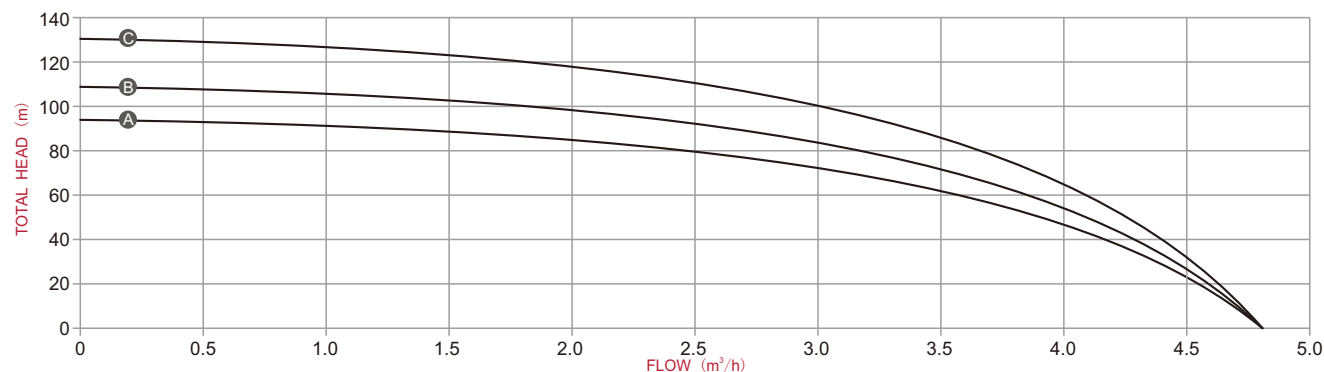
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



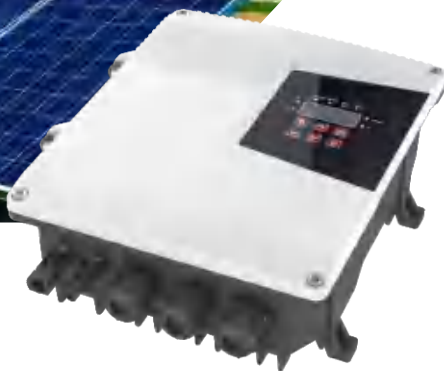
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SW4.8-95-110-750-A/D	80-280V AC	80-400V DC	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SW4.8-110-150-1100-A/D	80-280V AC	80-400V DC	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SW4.8-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

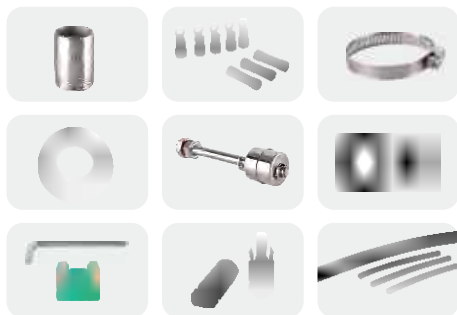
Bottom support

Stainless Steel
AISI 304SS/316SS

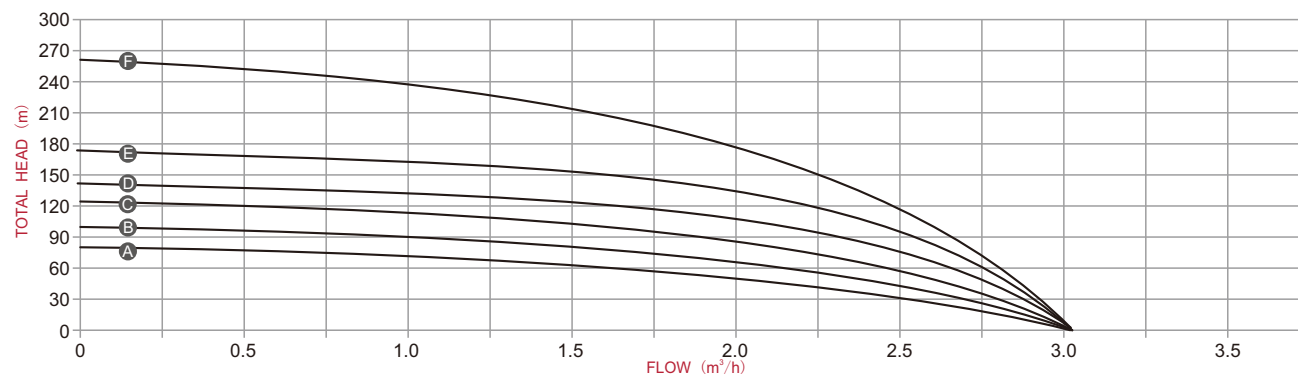
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



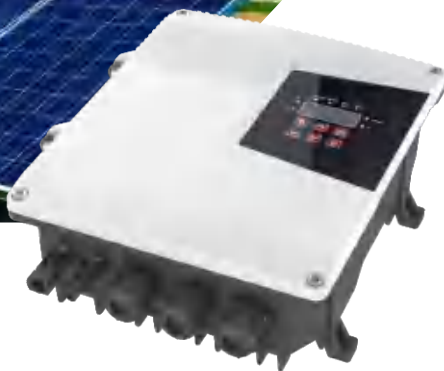
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

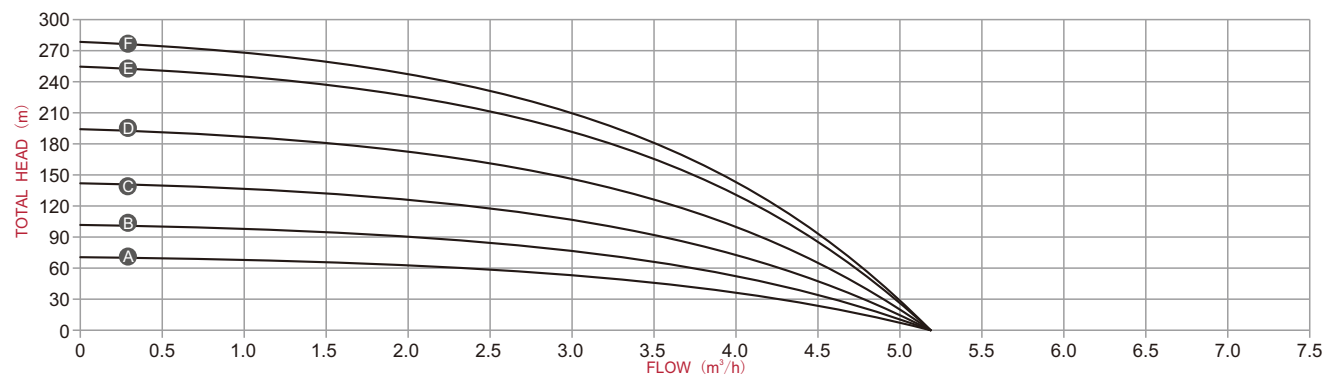
Bottom support

Stainless Steel
AISI 304SS/316SS

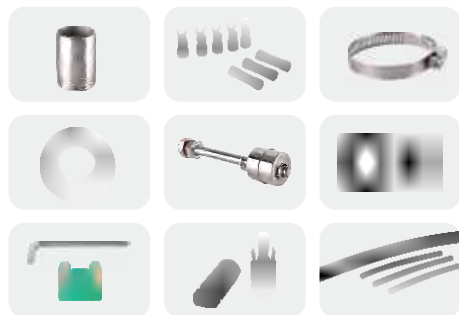
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



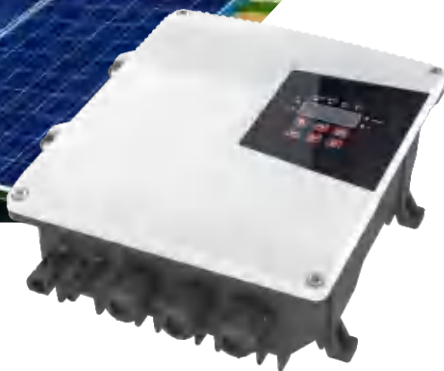
Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

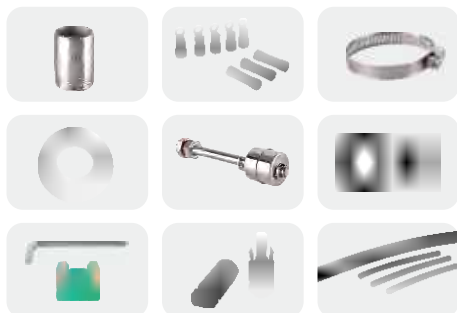
Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

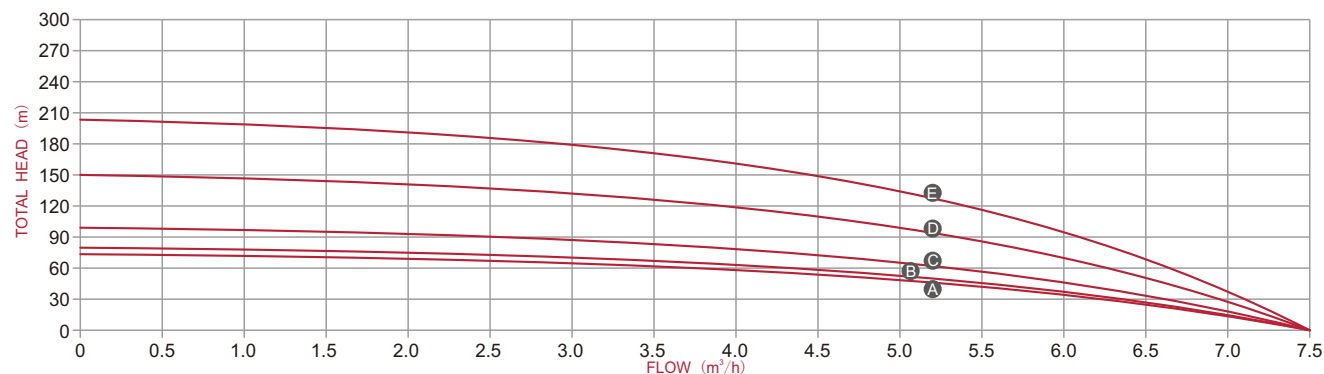


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA

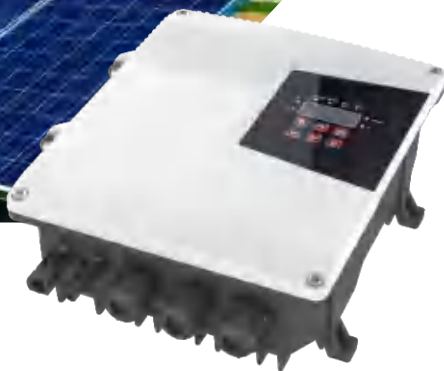


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

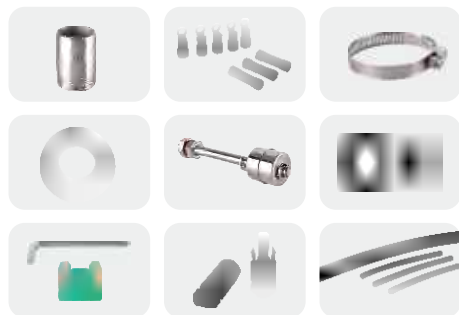
Bottom support

Stainless Steel
AISI 304SS/316SS

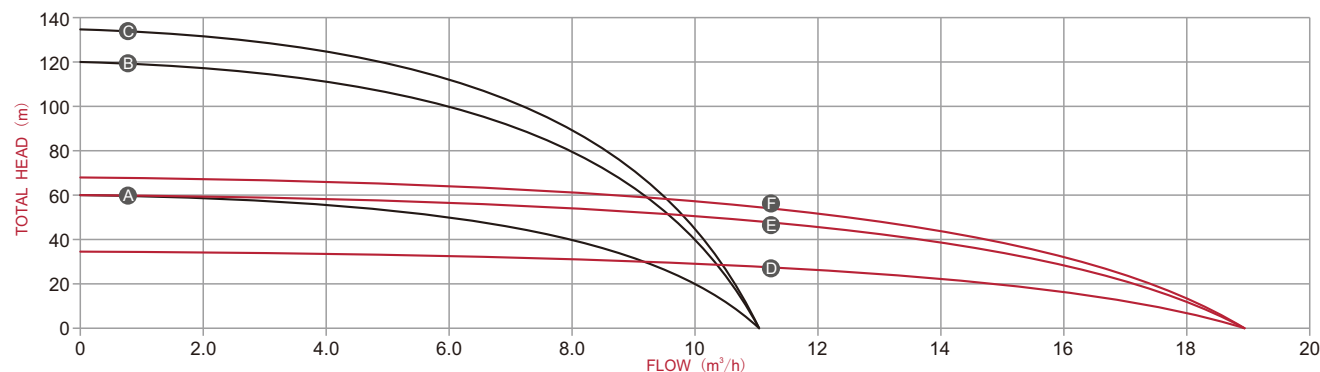
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



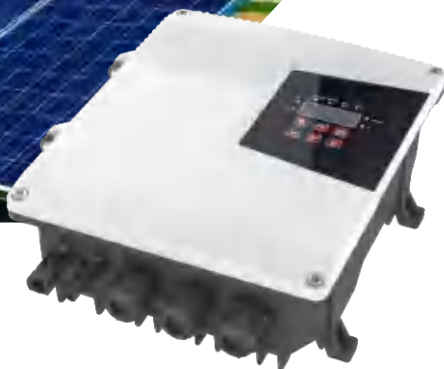
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
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Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4/6SW-A/DHY

AC/DC Hybrid Solar Pump Series



01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

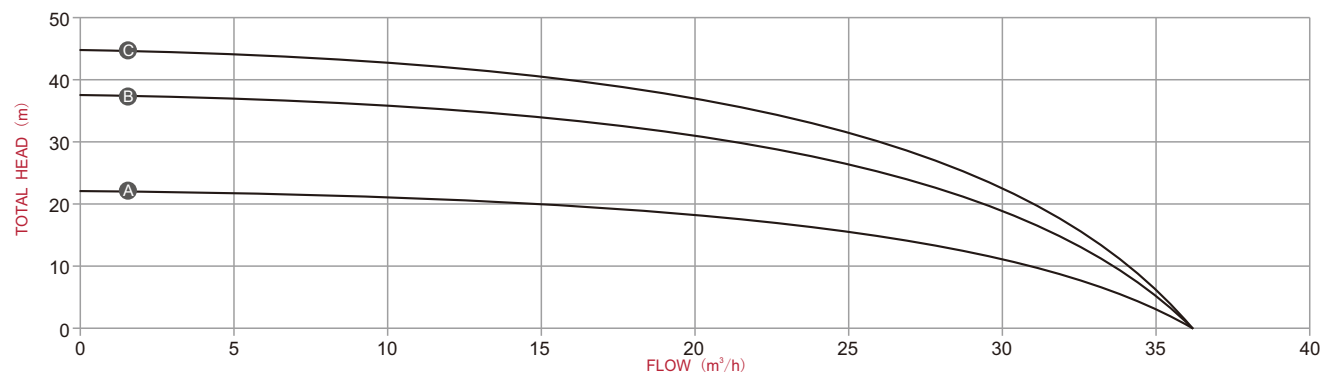
Bottom support

Stainless Steel
AISI 304SS/316SS

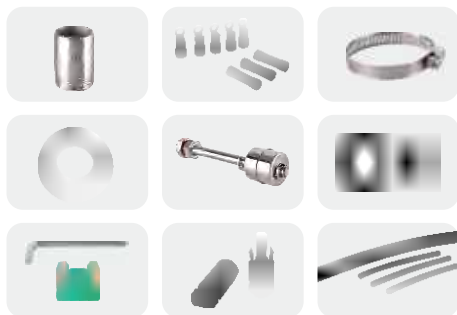
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



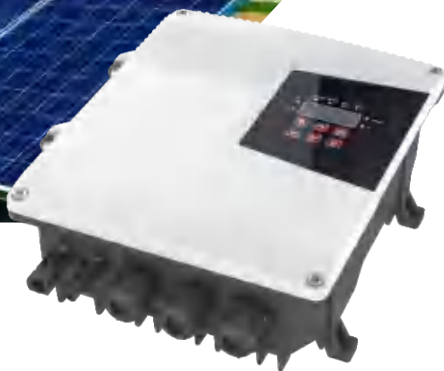
Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SW36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SW36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SW36-45-300-2500-A/D	80-280V AC	80-400V DC	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



ZSHF-A/DHY

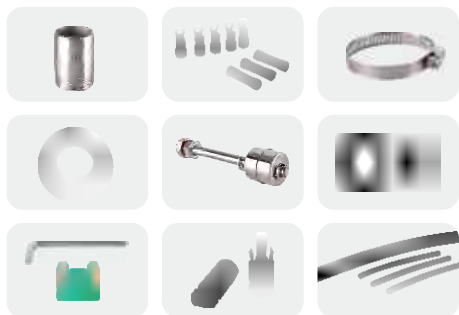
AC/DC Hybrid Solar Pump Series



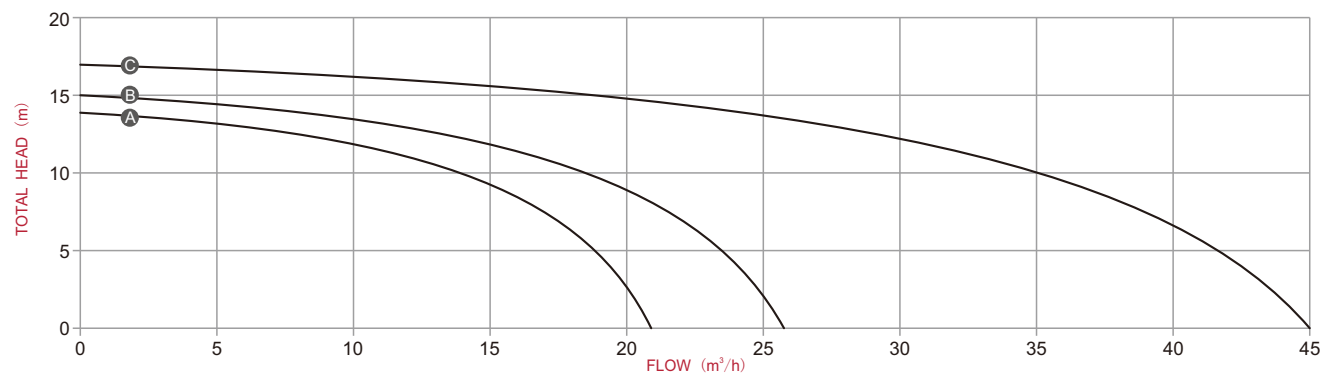
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSHF21-14-110-750-A/D	80-280V AC	80-400V DC	750W	21m³/h	14m	2×2"	1m	<420V	≥1.3*PUMP POWER
B	ZSHF26-15-150-1100-A/D	80-280V AC	80-400V DC	1100W	26m³/h	15m	2×2"	1m	<420V	≥1.3*PUMP POWER
C	ZSHF45-17-200-1500-A/D	80-280V AC	80-400V DC	1500W	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER
D	ZSHF60-16-300-2200-A/D	80-280V AC	80-400V DC	2200W	60m³/h	16m	4×4"	1m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

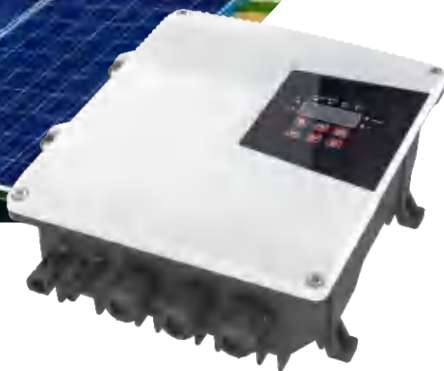


SURFACE PUMP
WITH FRAME



ZSSP-A/DHY

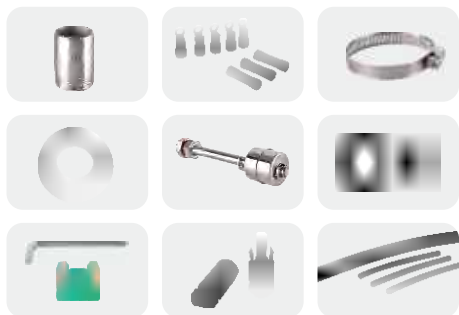
AC/DC Hybrid Solar Pump Series



ADVANCED TECHNOLOGY

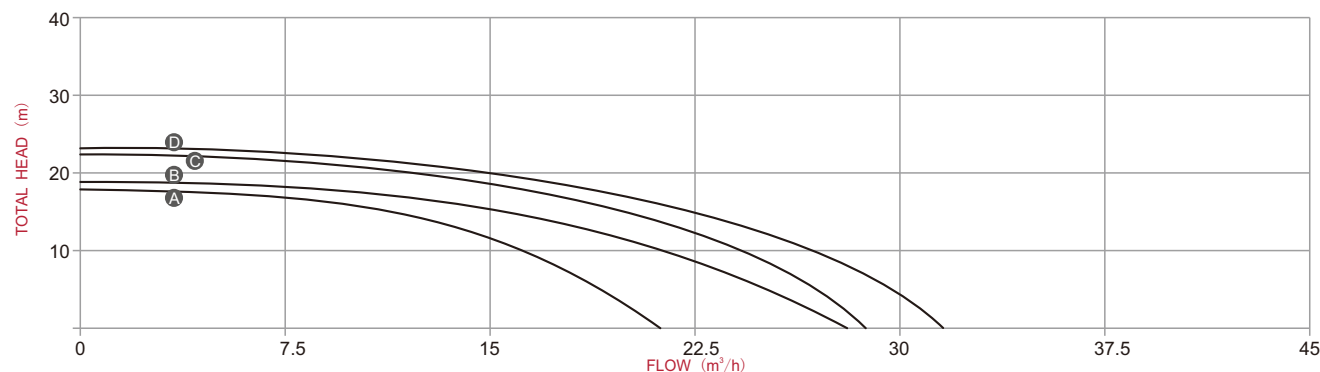


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSSP20-19-110-900-A/D	80-280V AC	80-400V DC	900W	20m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
B	ZSSP27-19-150-1200-A/D	80-280V AC	80-400V DC	1200W	27m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
C	ZSSP28-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	28m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER
D	ZSSP35-22-300-2200-A/D	80-280V AC	80-400V DC	2200W	35m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER



APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW
WELL



HIGHLIFT



HOME SWIMMING
POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation

ZSCO-ADCP AC/DC

COMPLEMENTARY MPPT CONTROLLER SOLAR PUMP SERIES

www.zripump.com



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



ZSCO - ADCP AC/DC

COMPLEMENTARY MPPT CONTROLLER



Z3PC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



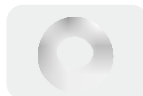
Low-voltage /
Over-voltage
Protection



Over Current
Protection

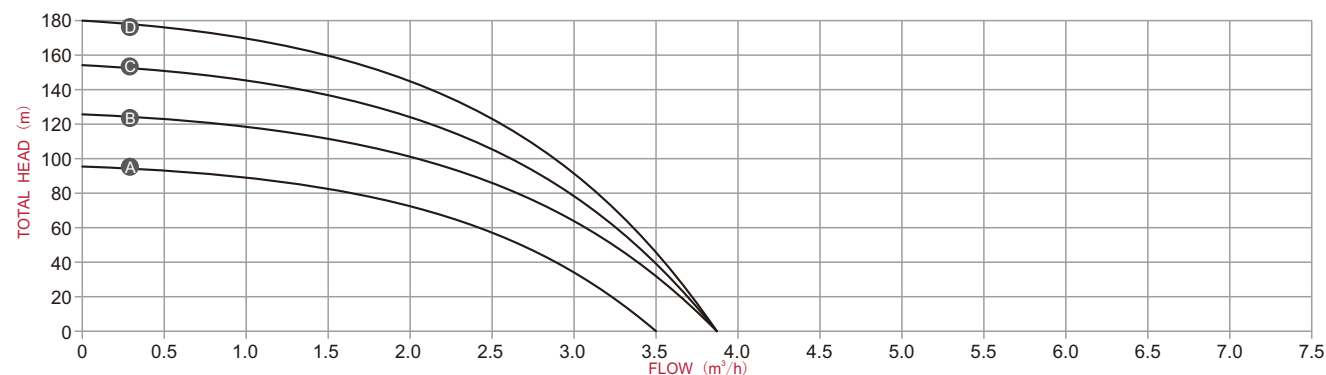


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC3.5-95-110-750-A/D	80-280V AC	80-400V DC	750W	3.5m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC3.8-123-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC3.8-155-150-1300-A/D	80-280V AC	80-400V DC	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC3.8-180-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z3PC-A/DCP AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

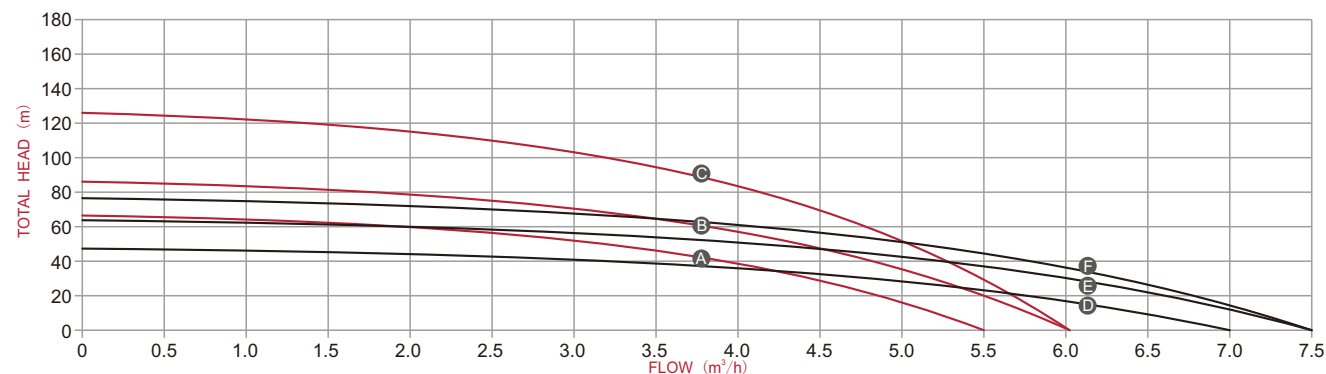
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

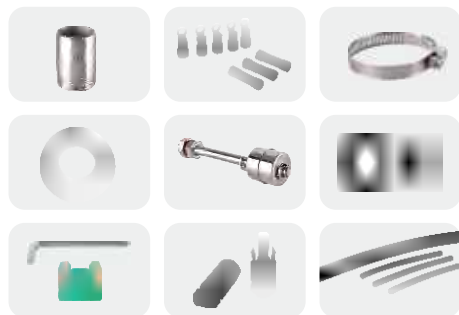


PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC5.5-65-110-750-A/D	80-280V AC	80-400V DC	750W	5.5m³/h	65m	1.5"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.5"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC6-125-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	125m	1.5"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC7-46-110-750-A/D	80-280V AC	80-400V DC	750W	7m³/h	46m	1.5"	2m	<420V	≥1.3*PUMP POWER
E	Z3PC7.5-62-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	62m	1.5"	2m	<420V	≥1.3*PUMP POWER
F	Z3PC7.5-78-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	78m	1.5"	2m	<420V	≥1.3*PUMP POWER

FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4PC-A/DCP

AC/DC Hybrid Solar Pump Series



01

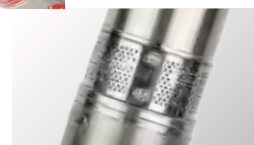
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

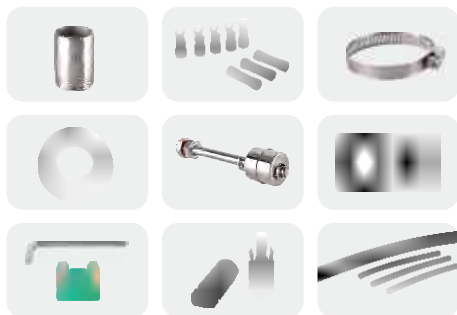
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

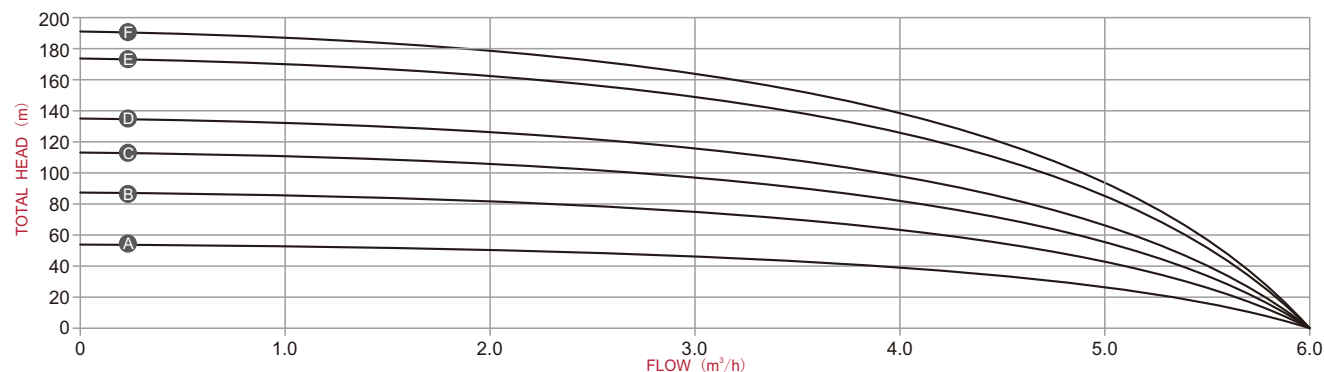


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC6-56-110-750-A/D	150V-264V	80V-380V	750W	6m³/h	56m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC6-84-150-1100-A/D	150V-264V	80V-380V	1100W	6m³/h	84m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC6-112-150-1300-A/D	150V-264V	80V-380V	1300W	6m³/h	112m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC6-135-200-1500-A/D	150V-264V	80V-380V	1500W	6m³/h	135m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC6-175-300-2200-A/D	150V-264V	80V-380V	2200W	6m³/h	175m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC6-192-300-2500-A/D	150V-264V	80V-380V	2500W	6m³/h	192m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

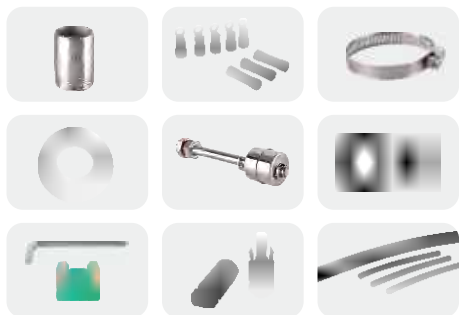
Z4PC-A/DCP

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

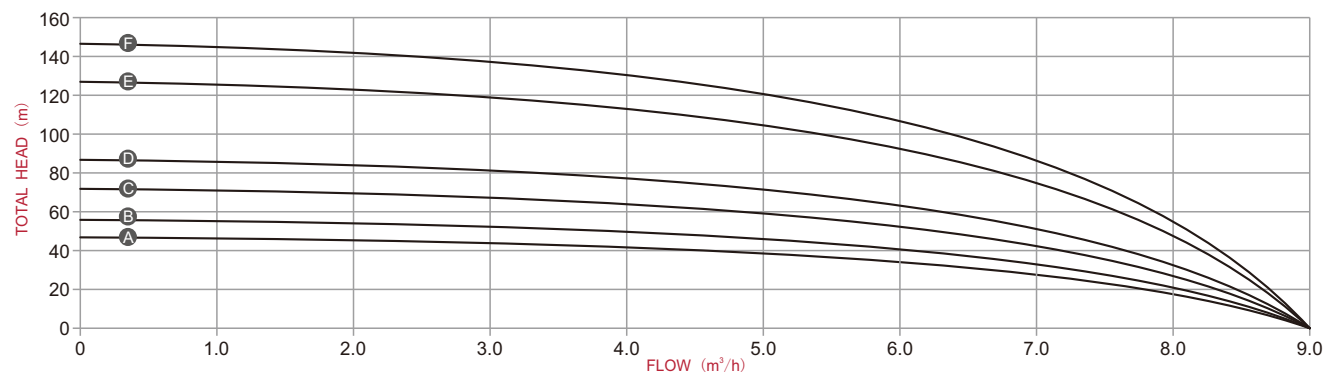
Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC9-45-110-750-A/D	150V-264V	80V-380V	750W	9m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC9-58-150-1100-A/D	150V-264V	80V-380V	1100W	9m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC9-71-150-1300-A/D	150V-264V	80V-380V	1300W	9m³/h	71m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC9-85-200-1500-A/D	150V-264V	80V-380V	1500W	9m³/h	85m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC9-125-300-2200-A/D	150V-264V	80V-380V	2200W	9m³/h	125m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC9-148-300-2500-A/D	150V-264V	80V-380V	2500W	9m³/h	148m	2"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4PC-A/DCP

AC/DC Hybrid Solar Pump Series



01

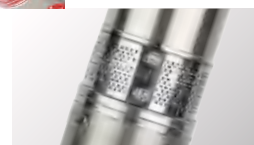
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

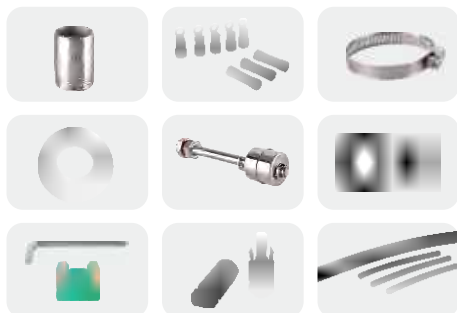
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

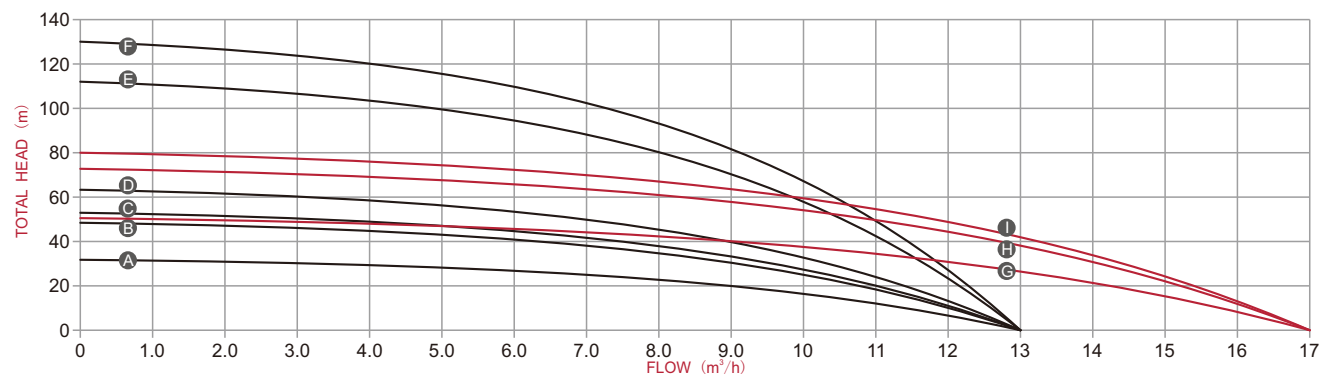


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC13-42-110-750-A/D	150V-264V	80V-380V	750W	13m³/h	42m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC13-50-150-1100-A/D	150V-264V	80V-380V	1100W	13m³/h	50m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC13-58-150-1300-A/D	150V-264V	80V-380V	1300W	13m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC13-63-200-1500-A/D	150V-264V	80V-380V	1500W	13m³/h	63m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC13-110-300-2200-A/D	150V-264V	80V-380V	2200W	13m³/h	110m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC13-130-300-2500-A/D	150V-264V	80V-380V	2500W	13m³/h	130m	2"	2m	<420V	≥1.3*PUMP POWER
G	Z4PC17-48-200-1500-A/D	150V-264V	80V-380V	1500W	17m³/h	48m	2"	2m	<420V	≥1.3*PUMP POWER
H	Z4PC17-72-300-2200-A/D	150V-264V	80V-380V	2200W	17m³/h	72m	2"	2m	<420V	≥1.3*PUMP POWER
I	Z4PC17-80-300-2500-A/D	150V-264V	80V-380V	2500W	17m³/h	80m	2"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z3SC-A/DOP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

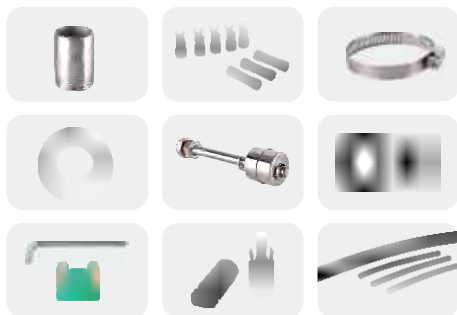
Bottom support

Stainless Steel
AISI 304SS/316SS

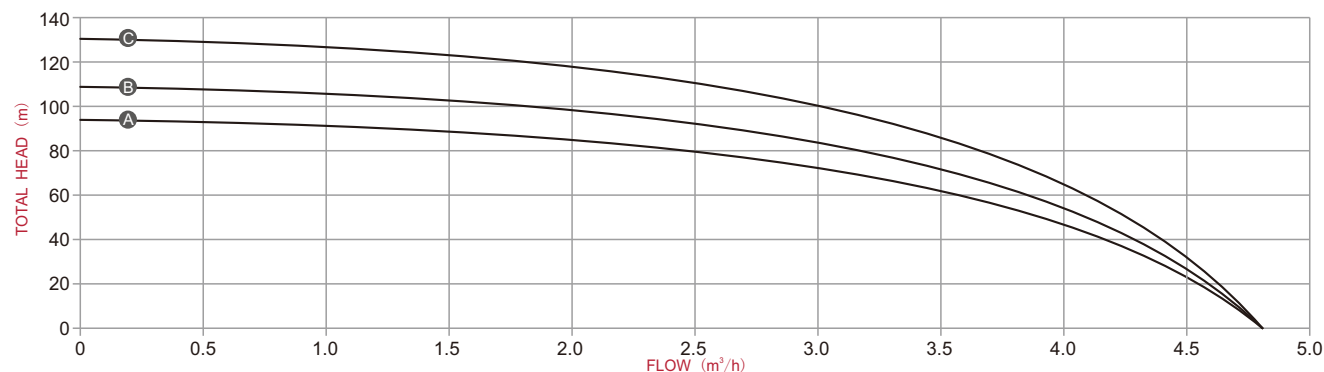
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SC4.8-95-110-750-A/D	150V-264V	80V-380V	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SC4.8-110-150-1100-A/D	150V-264V	80V-380V	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SC4.8-130-200-1500-A/D	150V-264V	80V-380V	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



ADVANCED TECHNOLOGY



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

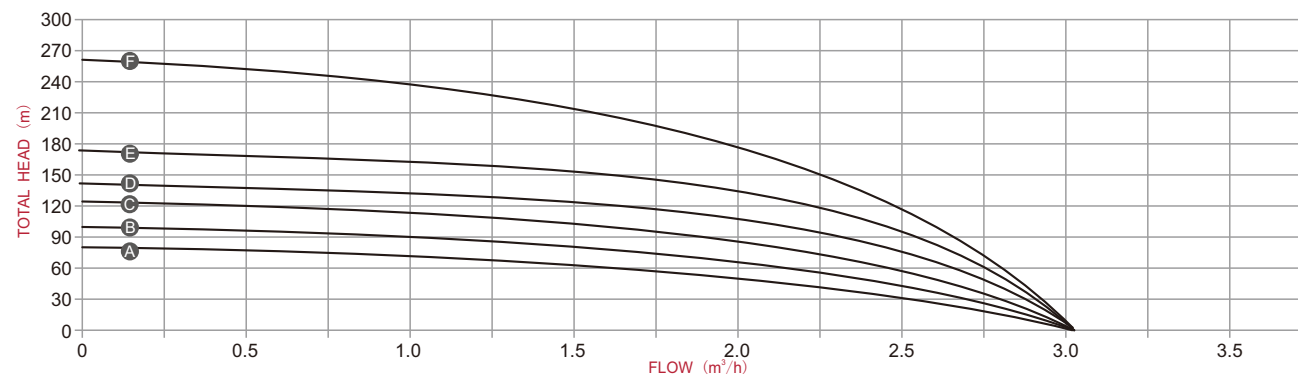
Stainless Steel
AISI 304SS/316SS

03

Bottom support

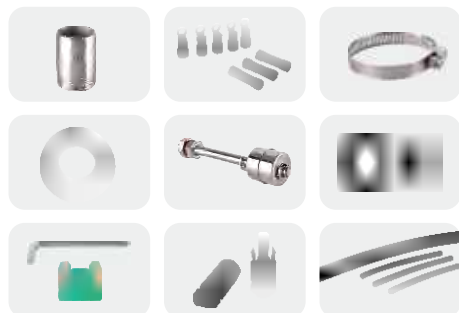
Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER

FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

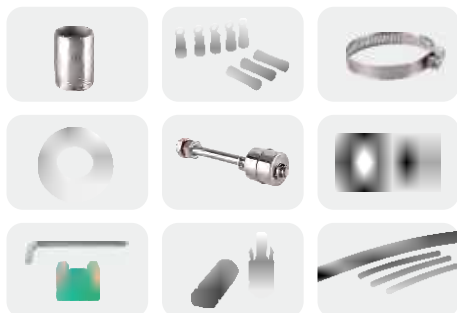
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

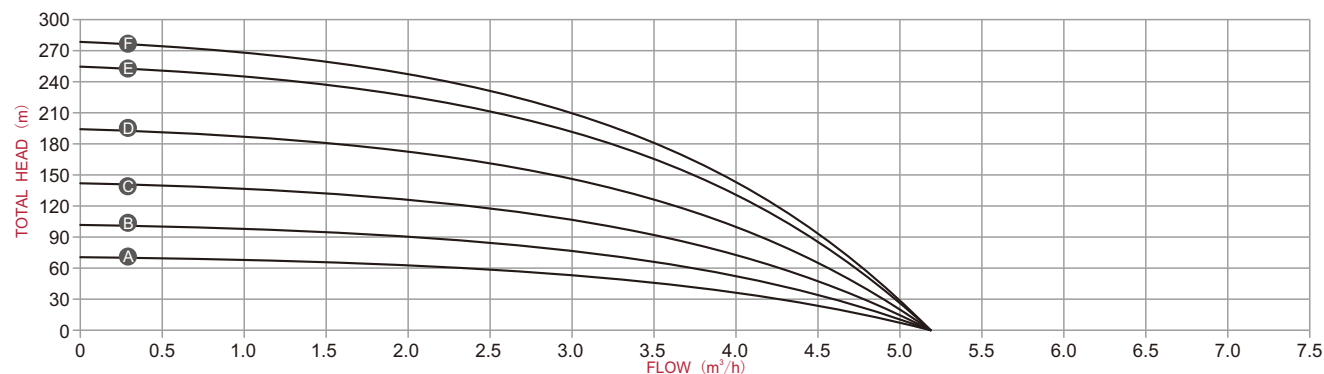


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

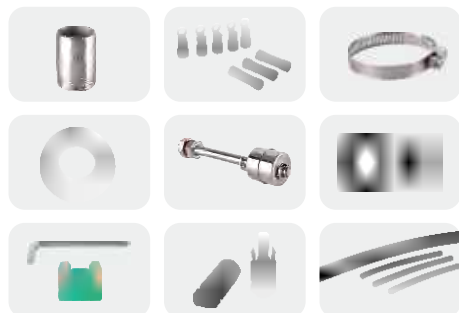
Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

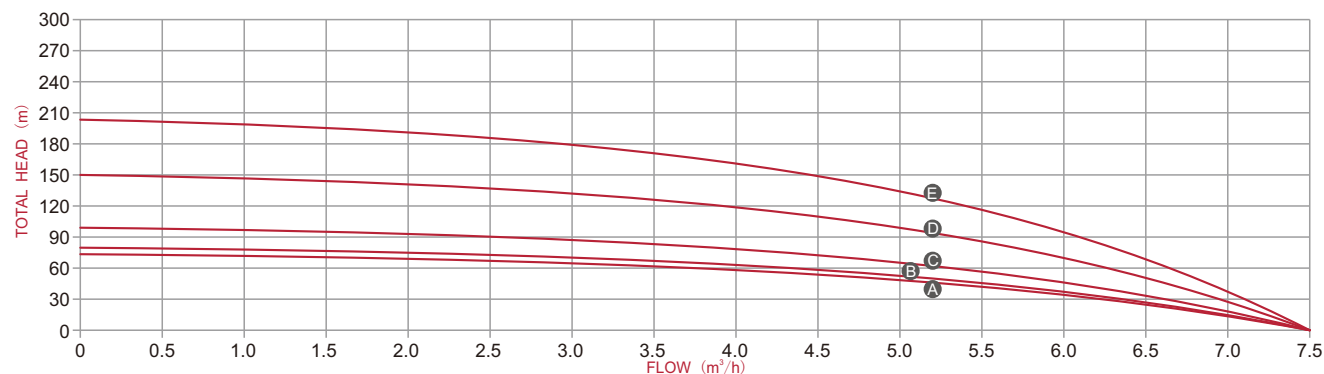


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

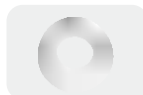
Stainless Steel
AISI 304SS/316SS

03

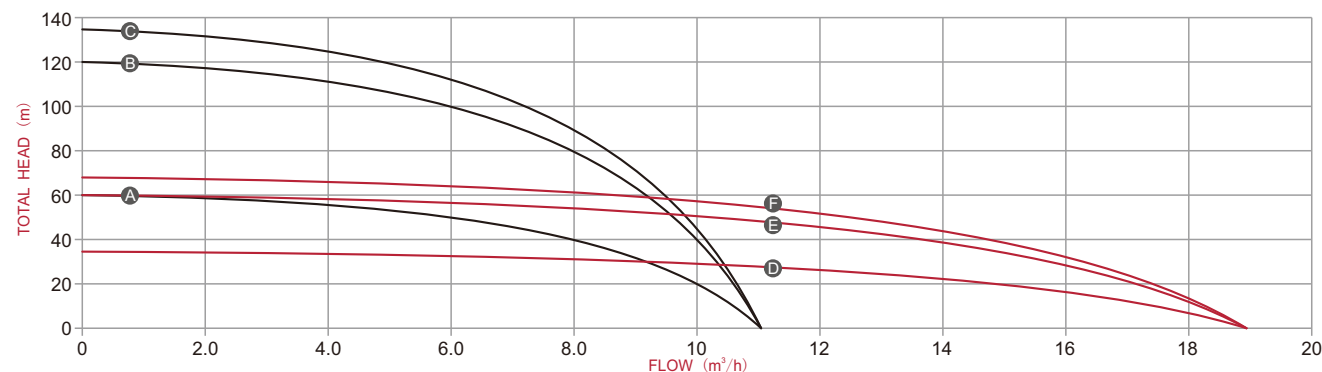
Bottom support

Stainless Steel
AISI 304SS/316SS

FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4/6SC-A/DOP

AC/DC Hybrid Solar Pump Series



01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS



03

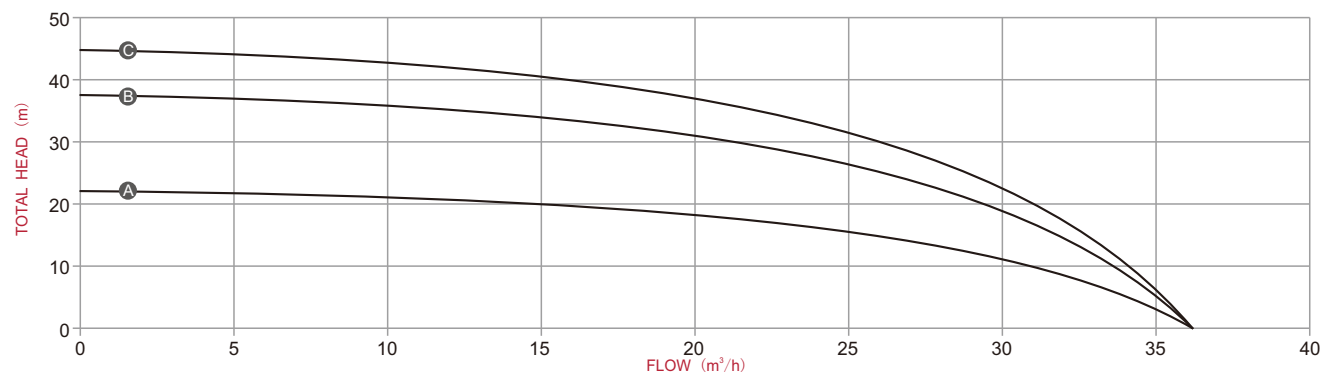
Bottom support

Stainless Steel
AISI 304SS/316SS

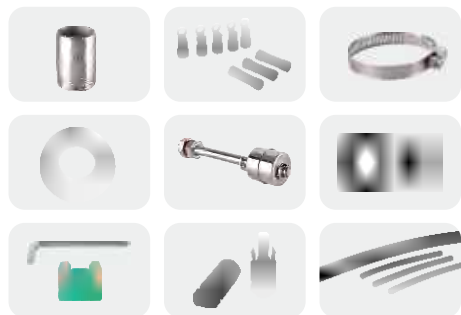
ADVANCED TECHNOLOGY



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SC36-22-200-1500-A/D	150V-264V	80V-380V	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SC36-38-300-2200-A/D	150V-264V	80V-380V	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SC36-45-300-2500-A/D	150V-264V	80V-380V	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



Z3SC-A/DOP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



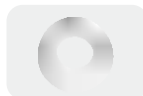
Low-voltage /
Over-voltage
Protection



Over Current
Protection

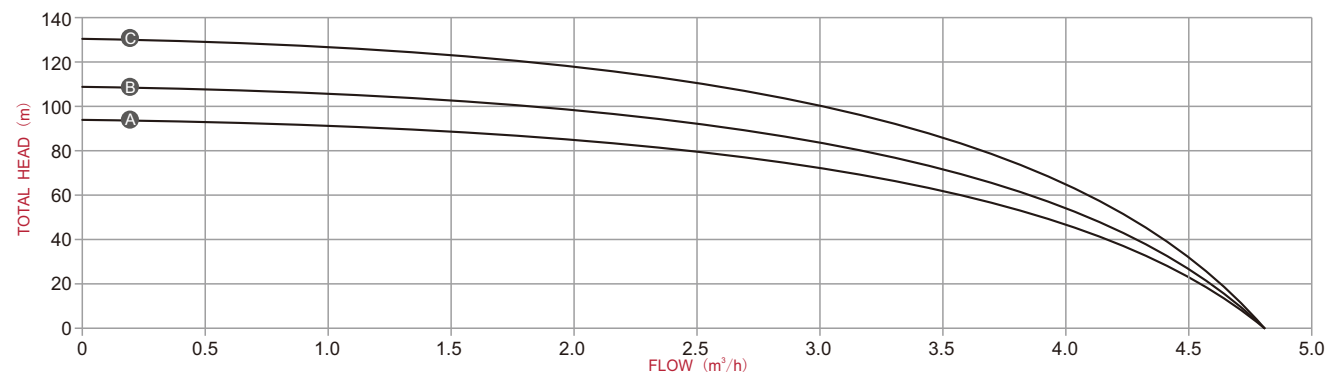


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SC4.8-95-110-750-A/D	150V-264V	80V-380V	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SC4.8-110-150-1100-A/D	150V-264V	80V-380V	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SC4.8-130-200-1500-A/D	150V-264V	80V-380V	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

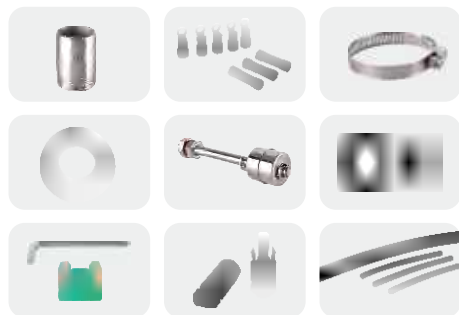
Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

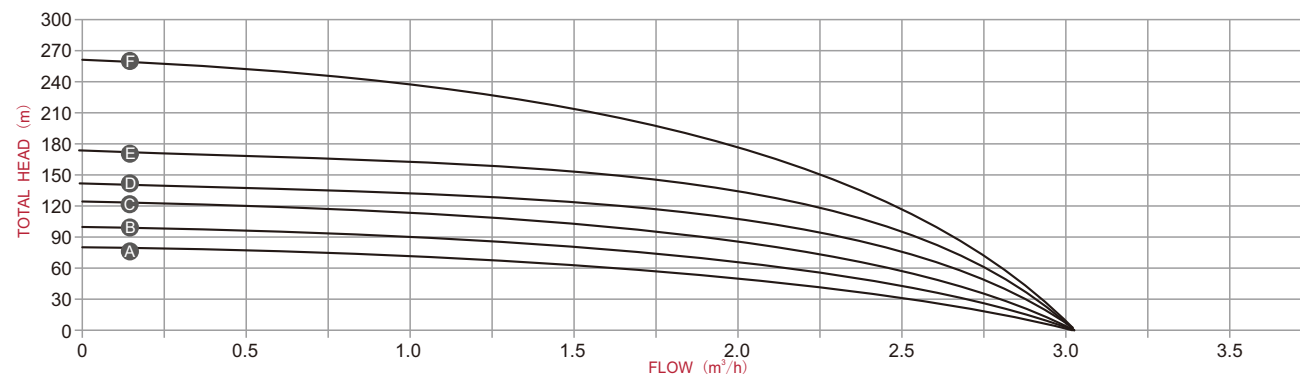


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



Low-voltage /
Over-voltage
Protection



Over Current
Protection

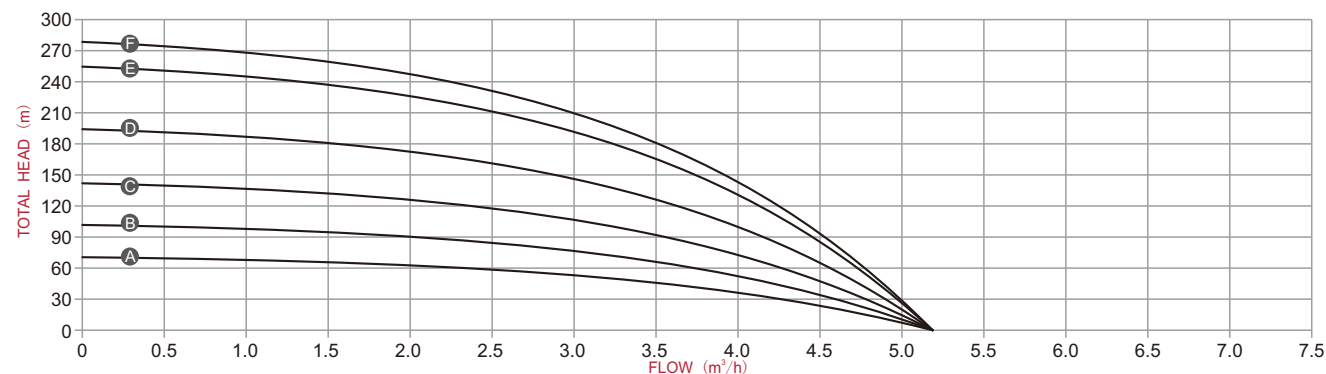


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



Low-voltage /
Over-voltage
Protection



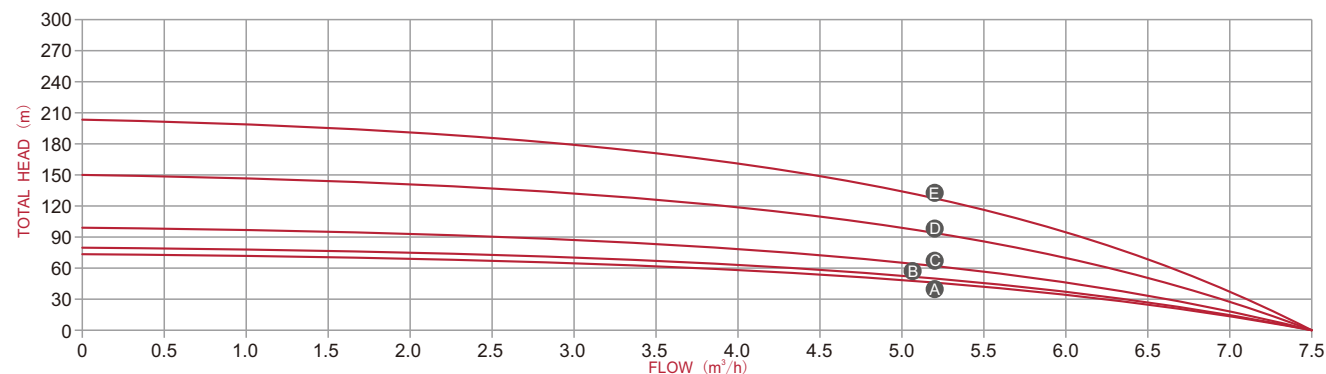
Over Current
Protection



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

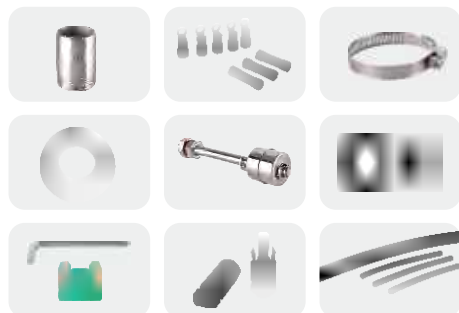
Stainless Steel
AISI 304SS/316SS



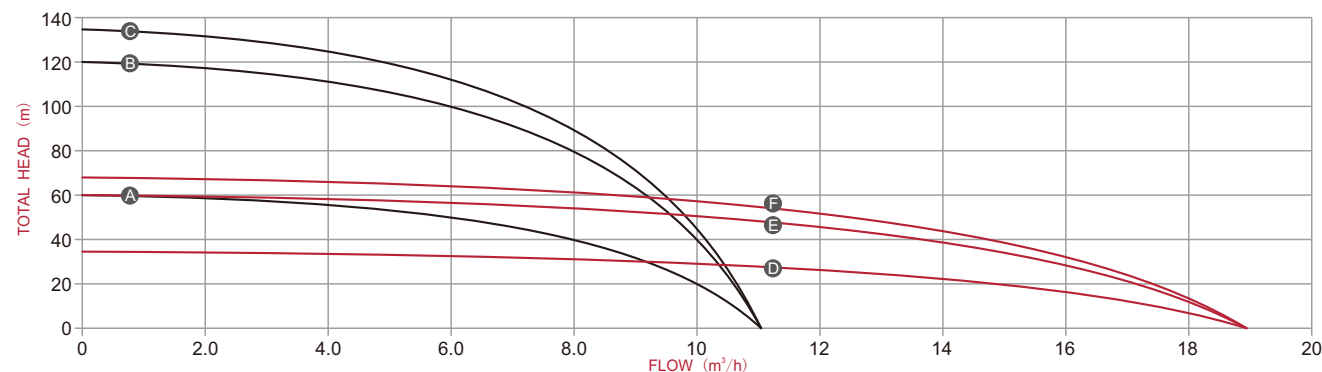
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SW11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SW11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SW11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SW19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SW19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SW19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
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Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-A/DCP

AC/DC Hybrid Solar Pump Series



01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed
Control



Short-Circuit
Protection



MPPT



Dry Running
Protection



Soft Starting
Protection



Reverse Voltage
Protection



Low-voltage /
Over-voltage
Protection



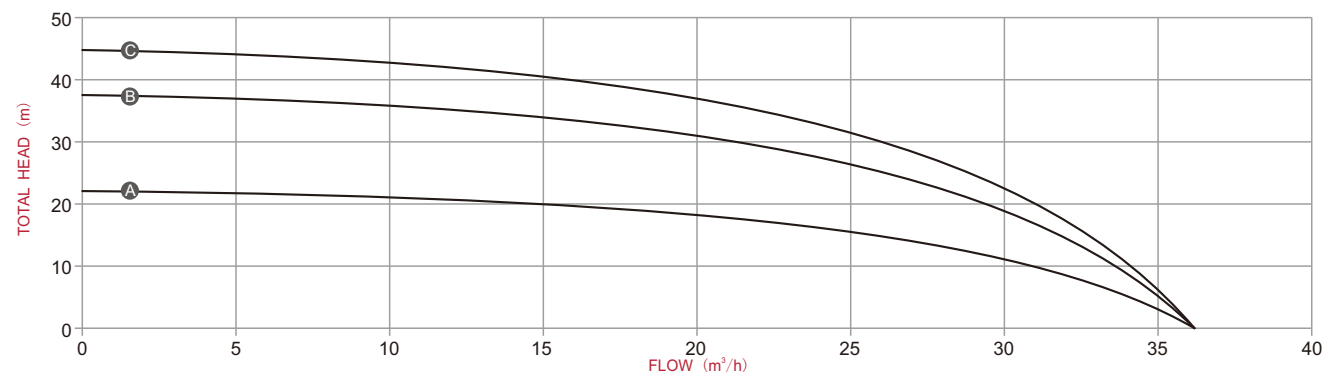
Over Current
Protection



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SW36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SW36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SW36-45-300-2500-A/D	80-280V AC	80-400V DC	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
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Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

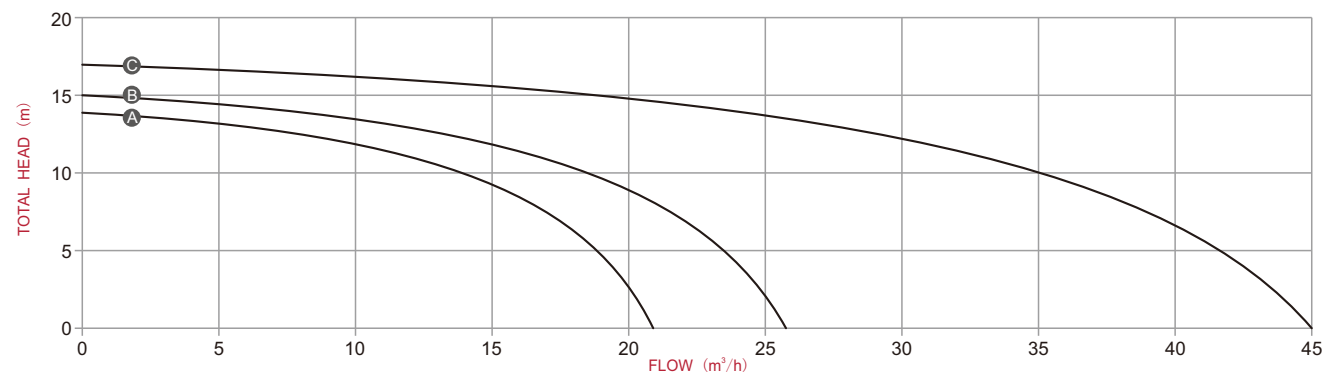


Running Speed Control	Short-Circuit Protection	MPPT	Dry Running Protection	Soft Starting Protection	Reverse Voltage Protection	Low-voltage / Over-voltage Protection	Over Current Protection



PAGE/C19

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSHF21-14-110-750-A/D	80-280V AC	80-400V DC	750W	21m³/h	14m	2×2"	1m	<420V	≥1.3*PUMP POWER
B	ZSHF26-15-150-1100-A/D	80-280V AC	80-400V DC	1100W	26m³/h	15m	2×2"	1m	<420V	≥1.3*PUMP POWER
C	ZSHF45-17-200-1500-A/D	80-280V AC	80-400V DC	1500W	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER
D	ZSHF60-16-300-2200-A/D	80-280V AC	80-400V DC	2200W	60m³/h	16m	4×4"	1m	<420V	≥1.3*PUMP POWER



ZSSP-A/DCP

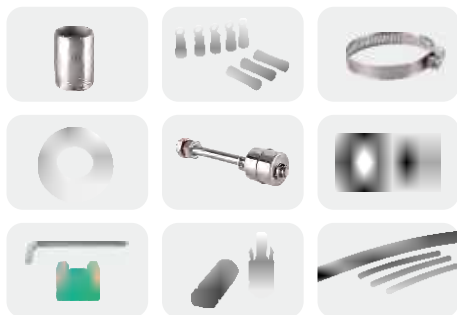
AC/DC Hybrid Solar Pump Series



ADVANCED TECHNOLOGY

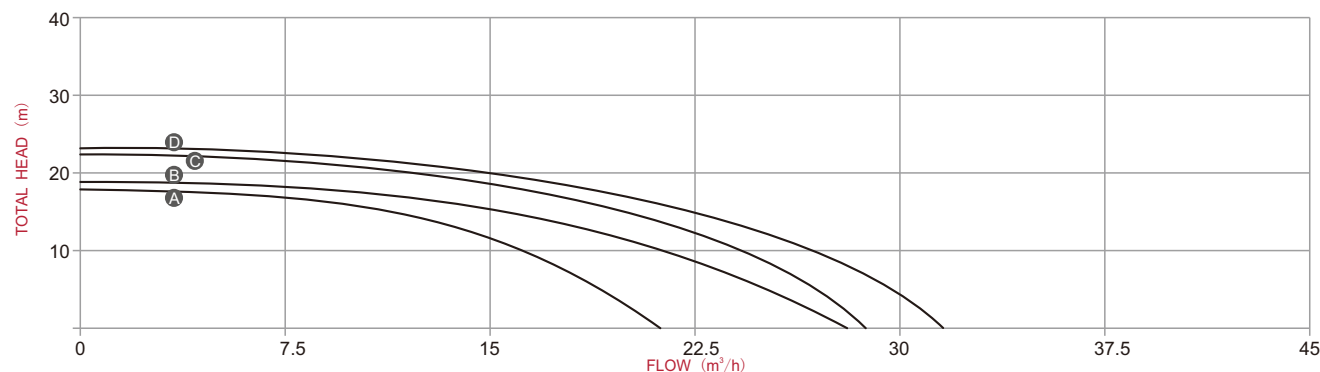


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSSP20-19-110-900-A/D	80-280V AC	80-400V DC	900W	20m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
B	ZSSP27-19-150-1200-A/D	80-280V AC	80-400V DC	1200W	27m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
C	ZSSP28-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	28m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER
D	ZSSP35-22-300-2200-A/D	80-280V AC	80-400V DC	2200W	35m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER

MODEL INSTRUCTION

			Technical features	Product comparison
AC/DC Switching Controller  ZSCO-ADHY	Max. Power Input:	2.5KW	> Chip with Advanced USA technology insure reliability > IGBT Power module provides higher reliability > Intelligent motor drive protection > FOC vector frequency conversion control > Universal Voltage > Automatic stop protection when water tank is full > Water well software automatic identification > shutdown protection > Timing of detection of Water supply > Mobile APP operation, smart mobile Internet (optional)	1. Solar power supply is given priority, and ac drive is switched to under low sunlight conditions (separate power supply). 2. When the solar power reaches 500W (adjustable) for 3 minutes, switch to AC power (single power supply) 3. Then the ac running time is 10 minutes (adjustable) before switching back to solar mode 4. If the light is still insufficient,it will repeat automatically
	DC Voltage Input:	108-410V DC		
	AC Voltage Input:	100-264V DC		
	Max.AC Current:	20A		
	Max.DC Current:	12A		
	Operating temperature:	-15 - 60°C		
	Protection:	Low voltage protection/high voltage protection/overcurrent protection/blocked transfer protection/lack of phase protection/short connection protection		
AC/DC Complementary Controller  ZSCO-ADCP	Max. Power Input:	3.0KW	> Chip with Advanced USA technology insure reliability > IGBT Power module provides higher reliability > Intelligent motor drive protection > FOC vector frequency conversion control > Universal Voltage > Automatic stop protection when water tank is full > Water well software automatic identification > shutdown protection > Timing of detection of Water supply > Mobile APP operation, smart mobile Internet (optional)	1. Solar power is preferred, and ac compensates for input. can be runned by both ways 2. When the solar input is lower than the power required to drive the motor, the AC power automatically compensates the input. At this time, both AC and DC power are supplied at the same time, ensuring that the pump is always working at full load. 3. Under low light conditions, assuming that solar power only generates 10W, the controller will still give priority to solar power consumption, and the insufficient energy will be supplemented by ac power. 4. Ensure that 100% solar energy is fully utilized without any waste.
	DC Voltage Input:	108-410V DC		
	AC Voltage Input:	100-264V DC		
	Max.AC Current:	20A		
	Max.DC Current:	12A		
	Operating temperature:	-15 - 60°C		
	Protection:	Low voltage protection/high voltage protection/overcurrent protection/blocked transfer protection/lack of phase protection/short connection protection		





APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW
WELL



HIGH LIFT



HOME SWIMMING
POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation

ZFPV500 / 580

HUGE POWER SOLAR PUMP INVERTER

www.zripump.com



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



ZFPV 150 / 500

SOLAR PUMP INVERTER



ZFPV
Series solar Pump Inverter

Solar pump inverter introduction

ZFPV series solar pump inverter

Clean energy:

inexhaustible energy supply, non-pollution, zero carbon dioxide emissions, actively contribute to curbing global warming.

Economic and affordable: One-time investment to get long-term returns, and enjoy government subsidies.

Safe and reliable: unattended, work at sunrise and stop at sunset

Simple operation: One key operation

Smart Internet of Things:

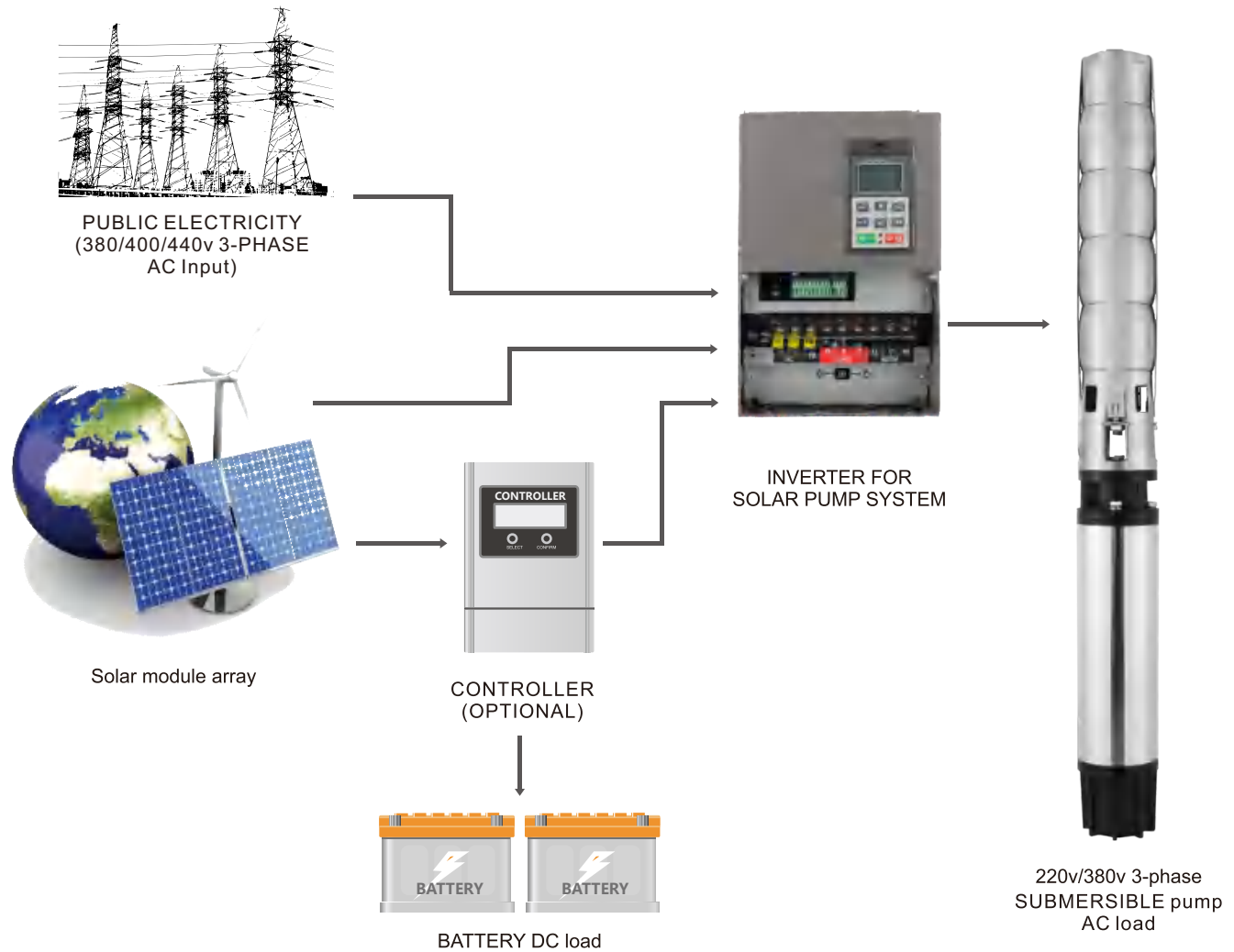
powerful GPRS Internet of Things, and users could master the system state at anytime and anywhere.

Personal customized:

special model supports ultra low input voltage of 30-300VDC with a specialized sine wave filter.

International standards: in line with national standards and access to CE certification.





PV pump system is different from the traditional AC pump application system, PV pumping inverter converts DC voltage from the solar array into AC voltage to drive the pump. Pumping water from deep well, river, lake, etc.



ZFPV 500
SOLAR PUMP INVERTER

ZFPV500 Solar Pump Inverter

Item	Solar pump inverter power (KW)	Pump		Max solar power input (KW)	Max DC input voltage V	Recommend Voc voltage (V)	Rated output current (A)	Output frequency (Hz)
		Rated power (KW)	Rated voltage (V)					
ZFPV500-2SP-0.7G	0.75	0.75	220	1	450	360~430	4	0-320
ZFPV500-2SP-1.5G	1.5	1.5	220	1.95	450	360~430	7	0-320
ZFPV500-2SP-2.2G	2.2	2.2	220	2.86	450	360~430	10	0-320
ZFPV500-2SP-4.0G	4	4	220	5.4	450	360~430	16	0-320
ZFPV500-3TH-0.7G	0.75	0.75	380	1	780	620~750	3	0-320
ZFPV500-3TH-1.5G	1.5	1.5	380	2.2	780	620~750	4	0-320
ZFPV500-3TH-2.2G	2.2	2.2	380	3.3	780	620~750	6	0-320
ZFPV500-3TH-4.0G	4	4	380	5.6	780	620~750	10	0-320
ZFPV500-3TH-5.5G	5.5	5.5	380	8	780	620~750	13	0-320
ZFPV500-3TH-7.5G	7.5	7.5	380	10	780	620~750	17	0-320
ZFPV500-3TH-11G	11	11	380	14.3	780	620~750	25	0-320
ZFPV500-3TH-15G	15	15	380	19.5	780	620~750	32	0-320
ZFPV500-3TH-18.5G	18.5	18.5	380	23.4	780	620~750	38	0-320
ZFPV500-3TH-22G	22	22	380	28.6	780	620~750	45	0-320
ZFPV500-3TH-30G	30	30	380	39	780	620~750	60	0-320
ZFPV500-3TH-37G	37	37	380	48.1	780	620~750	75	0-320
ZFPV500-3TH-45G	45	45	380	58.5	780	620~750	90	0-320
ZFPV500-3TH-55G	55	55	380	71.5	780	620~750	110	0-320
ZFPV500-3TH-75G	75	75	380	97.5	780	620~750	150	0-320

Technical parameters		
Project		Parameters
Input power supply	Voltage, frequency	2SP model: 150-450VDC/ single-phase 220VAC 50/60HZ
		3TH model: 350-780VDC/ three-phase 380VAC 50/60HZ
	Allowable Fluctuations	Voltage imbalance rate: < 3%
		Frequency fluctuation: ±5%
		Distortion rate: Conform to IEC 61800-2
	Frequency inverter efficiency	≥96%
	Recommended voltage Voc	2SP model: 175-360VDC
		3TH model: 620-750VDC
Output	MPPT efficiency	reaches 99.9%
	Output frequency range	0-320Hz (320 Hz or higher frequency can be customized)
	Overload capacity	150% rated current 1min; 180% rated current 10s; 200% rated current 0.5s
Protection Functions	Solar pump protection functions	Dry protection, low frequency protection, minimum power protection, sleep protection, overwater protection, pump overcurrent protection, etc.
	Basic protection functions	Overvoltage, undervoltage, inverter overcurrent, module fault, inverter overload, motor overload, current detection zero-drift fault, current detection fault, E2RCM fault, grounding short-circuit fault, input phase loss, output phase loss , inverter overheating, communication fault, motor parameter self-learning fault, etc.
	Short-circuit detection of motor grounding	Automatic detection whether the motor is Short-circuit to ground in power-on
	Servo control	Support synchronous and asynchronous servo control, perform pulse tracking, zero
		servo, indexing positioning and other basic servo functions, and support the orthogonal pulse given.
	Communication network	Supports RS485 communication, to realize network and linkage control between VEICHI inverters
	Long-distance monitoring function	Supports long-distance program upgrade, data monitoring and lock function, can connect VEICHI GPRS module, and supports VEICHI virtual oscilloscope for monitoring and debugging.
Surroundings	Installation location	Outdoor, less than 1000m altitude, keep away from corrosive air and direct sunlight
	Temperature, humidity	-10-60°C, 20%-95%RH (no condensation)
	Vibration	The vibration is less than 0.5g when the vibration frequency is less than 20Hz
	Storage temperature	-20~60°C
	Installation mode	Suspension installation
	Protection class	IP20
	Cooling method	Natural cooling/forced air cooling
International certification		CE



AC Deep Well Pump for Huge Power Solar Pumping System



Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	1	2	3	4
	V	W	m³/h	m	m³/h					
4SP3-61-12-0.75	220 / 380	0.75	3	61	Head(m)	72	68	64	61	40
4SP3-80-16-1.1	220 / 380	1.1	3	80		91	89	85	80	50
4SP3-109-22-1.5	220 / 380	1.5	3	109		132	125	118	109	75
4SP3-157-32-2.2	220 / 380	2.2	3	157		190	185	176	157	110
4SP3-220-45-3.0	380	3	3	220		256	250	244	220	150
4SP3-287-59-4.0	380	4	3	287		323	310	302	287	210
4SP3-316-65-5.5	380	5.5	3	316		355	345	328	316	247

Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	9	10	12
	V	W	m³/h	m	m³/h						
4SP8-25-5-0.75	220 / 380	0.75	8	25	Head(m)	33	28	25	22	17	12
4SP8-34-7-1.1	220 / 380	1.1	8	34		44	39	34	31	26	17
4SP8-47-10-1.5	220 / 380	1.5	8	47		59	56	47	38	34	20
4SP8-61-13-2.2	220 / 380	2.2	8	61		75	71	61	55	46	28
4SP8-83-18-3.0	380	3	8	83		98	94	83	71	61	35
4SP8-114-25-4.0	380	4	8	114		134	122	114	100	84	50
4SP8-145-32-5.5	380	5.5	8	145		169	157	145	121	101	67
4SP8-178-40-7.5	380	7.5	8	178		203	185	178	148	116	81

Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	10	14	16
	V	W	m³/h	m	m³/h						
4SP14-20-5-1.5	220 / 380	1.5	14	20	Head(m)	35	32	29	25	20	16
4SP14-28-7-2.2	220 / 380	2.2	14	28		49	45	40	34	28	23
4SP14-40-10-3.0	380	3	14	40		70	62	57	49	40	32
4SP14-52-13-4.0	380	4	14	52		91	81	74	63	52	42
4SP14-60-15-5.5	380	5.5	14	60		105	94	85	73	60	48
4SP14-72-18-5.5	380	5.5	14	72		126	113	103	90	72	58
4SP14-84-21-7.5	380	7.5	14	84		147	135	119	101	84	67
4SP14-100-25-7.5	380	7.5	14	100		175	163	143	123	100	80



AC Deep Well Pump for Huge Power Solar Pumping System



Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	166	250	333	416	500
	KW	HP	m³/h	m	m³/h	0	10	15	20	25	30
6SP20-17-2-1.5	1.5	2	20	17	Head(m)	22	21	19	17	12	6
6SP20-26-3-2.2	2.2	3	20	26		33	31	29	26	18	10
6SP20-34-4-3.0	3	4	20	34		44	41	38	34	24	13
6SP20-51-6-4.0	4	5.5	20	51		66	62	57	51	36	19
6SP20-68-8-5.5	5.5	7.5	20	68		88	82	76	68	54	29
6SP20-94-11-7.5	7.5	10	20	94		121	113	105	94	66	35
6SP20-111-13-9.2	9.2	12.5	20	111		145	136	125	111	78	41
6SP20-136-16-11	11	15	20	136		176	165	152	136	96	51
6SP20-162-19-13	13	17.5	20	162		209	196	181	162	114	61
6SP20-187-22-15	15	20	20	187		242	227	209	187	132	70
6SP20-230-27-18.5	18.5	25	20	230		297	278	257	230	162	86
6SP20-272-32-22	22	30	20	272		352	330	304	272	192	102
6SP20-323-38-26	26	35	20	323		418	391	361	323	228	122

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	333	500	666	750	833
	KW	HP	m³/h	m	m³/h	0	20	30	40	45	50
6SP40-18-2-3.0	3	4	40	18	Head(m)	26	25	21	18	16	13
6SP40-27-3-5.5	5.5	7.5	40	27		40	37	32	27	25	20
6SP40-36-4-7.5	7.5	10	40	36		53	50	43	36	32	26
6SP40-46-5-7.5	7.5	10	40	46		67	63	54	46	41	33
6SP40-55-6-9.2	9.2	12.5	40	55		80	75	65	55	49	40
6SP40-64-7-11	11	15	40	64		94	88	75	64	57	47
6SP40-74-8-13	13	17.5	40	74		107	101	86	74	65	54
6SP40-92-10-15	15	20	40	92		134	126	108	92	82	67
6SP40-110-12-18.5	18.5	25	40	110		161	151	130	110	98	80
6SP40-129-14-22	22	30	40	129		188	176	151	129	115	94
6SP40-156-17-26	26	35	40	156		228	214	184	156	139	114
6SP40-184-20-30	30	40	40	184		268	252	216	184	164	134
6SP40-221-24-37	37	45	40	221		322	302	259	221	196	161

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	666	833	916	1000	1083
	KW	HP	m³/h	m	m³/h	0	40	50	55	60	65
6SP60-31-4-7.5	7.5	10	60	31	Head(m)	56	40	36	34	31	28
6SP60-39-5-9.2	9.2	12.5	60	39		70	51	45	42	39	34
6SP60-46-6-11	11	15	60	46		84	61	54	50	46	41
6SP60-62-8-15	15	20	60	62		112	82	72	67	62	55
6SP60-70-9-18.5	18.5	25	60	70		126	93	81	75	70	62
6SP60-78-10-18.5	18.5	25	60	78		140	103	90	84	78	69
6SP60-86-11-22	22	30	60	86		154	116	100	93	86	76
6SP60-94-12-22	22	30	60	94		168	124	110	102	94	83
6SP60-102-13-26	26	35	60	102		182	136	118	110	102	90
6SP60-110-14-26	26	35	60	110		196	146	128	119	110	97
6SP60-117-15-26	26	35	60	117		210	155	135	126	117	104
6SP60-125-16-30	30	40	60	125		224	168	145	135	125	111

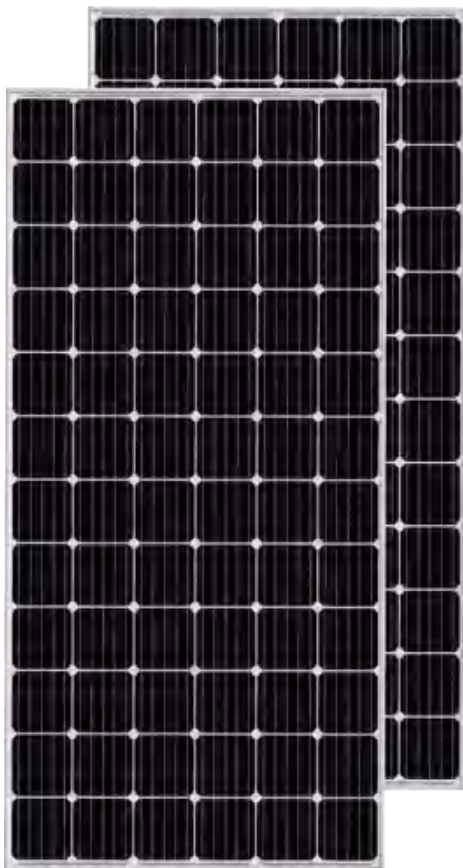


AC Deep Well Pump for Huge Power Solar Pumping System



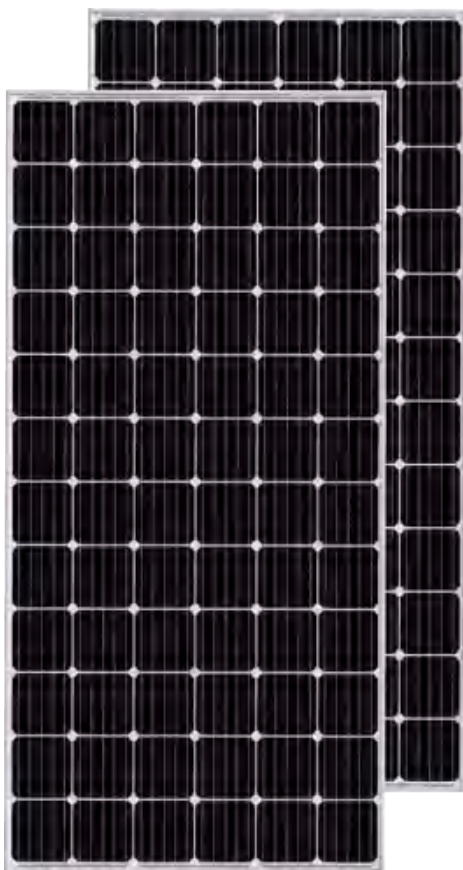
Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	833	1000	1166	1283	1500
	KW	HP	m³/h	m	m³/h	0	50	60	70	77	90
8SP77-13-1-5.5	5.5	7.5	77	13	Head(m)	20	16	15	14	13	10
8SP77-27-2-7.5	7.5	10	77	27		40	31	30	28	27	21
8SP77-40-3-11	11	15	77	40		59	47	44	42	40	31
8SP77-53-4-15	15	20	77	53		79	63	59	56	53	42
8SP77-67-5-18.5	18.5	25	77	67		99	78	74	70	67	52
8SP77-80-6-22	22	30	77	80		119	94	89	84	80	63
8SP77-93-7-26	26	35	77	93		139	110	104	98	93	73
8SP77-107-8-30	30	40	77	107		159	125	119	112	107	84
8SP77-133-10-37	37	50	77	133		198	157	148	140	133	105
8SP77-160-12-45	45	60	77	160		238	188	178	168	160	126
8SP77-200-15-55	55	75	77	200		297	235	222	210	200	157
8SP77-227-17-63	63	85	77	227		337	266	252	238	227	178
8SP77-267-20-75	75	100	77	267		397	313	297	280	267	210

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	1000	1333	1583	1666	1833
	KW	HP	m³/h	m	m³/h	0	60	80	95	100	110
8SP95-12-1-5.5	5.5	7.5	95	12	Head(m)	21	16	14	12	11	9
8SP95-24-2-9.2	9.2	12.5	95	24		41	31	28	24	22	18
8SP95-36-3-13	13	17.5	95	36		61	47	41	36	33	28
8SP95-48-4-18.5	18.5	25	95	48		82	62	55	48	45	37
8SP95-60-5-22	22	30	95	60		102	78	69	60	56	46
8SP95-72-6-26	26	35	95	72		123	94	83	72	67	55
8SP95-96-8-37	37	50	95	96		163	124	110	96	89	73
8SP95-120-10-45	45	60	95	120		204	155	137	120	112	92
8SP95-132-11-55	55	75	95	132		225	172	152	132	123	101
8SP95-144-12-55	55	75	95	144		246	187	165	144	135	111
8SP95-168-14-63	63	85	95	168		285	218	193	168	157	129
8SP95-193-16-75	75	100	95	193		326	249	220	193	179	147
8SP95-240-20-93	93	125	95	240		408	312	276	240	224	184

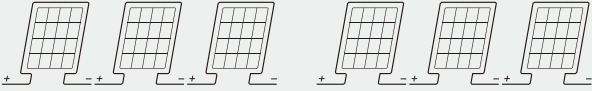
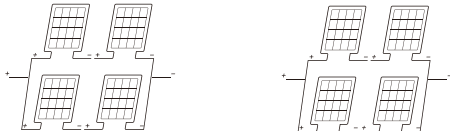
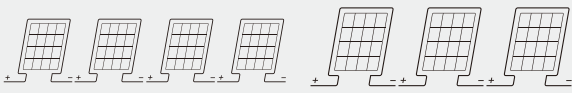
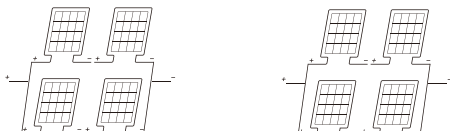
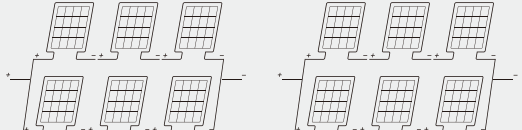
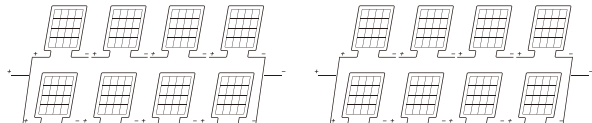
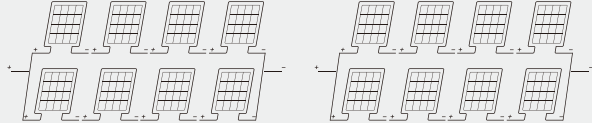


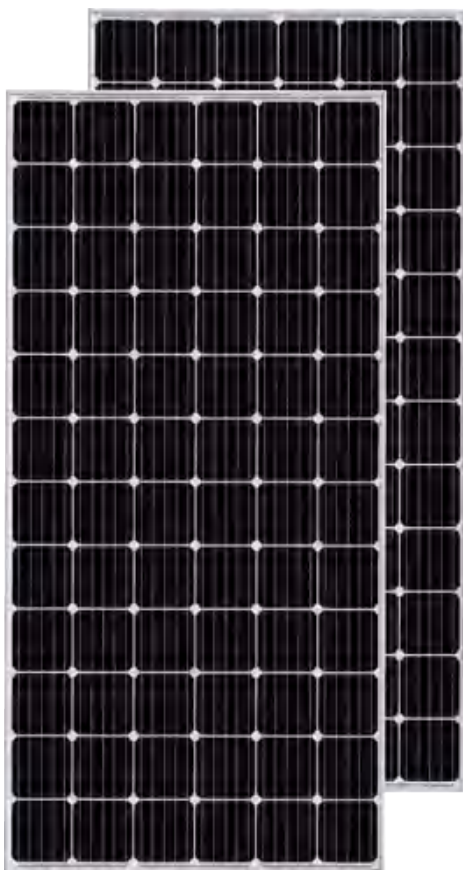
Solar Panel recommendation for 24-110(150)V DC

Power 80W-12V Vol: 18-50V	 Solar Panel: 150w*1PCS / 265W*1PCS / 340W *1PCS
Power 120-210W-24V 210W -36V Vol: 18-50V	 Solar Panel: 150w*2PCS / 265W*1PCS / 340W *1PCS
Power 280W-24V 300W-24V Vol: 18-50V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 400W-36V Vol: 18-50V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 370W-48V 400W-48V Vol: 30-100V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 500W-48V 550W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*2PCS
Power 600W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*4PCS



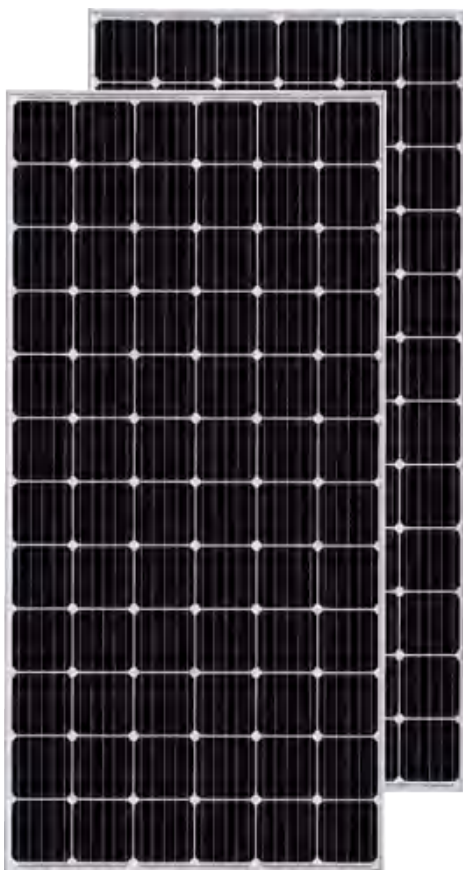
Solar Panel recommendation for 24-110(150)V DC

Power 600W-72V Vol: 50-150V	 Solar Panel: 265w*3PCS / 340W*3PCS
Power 750W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*4PCS
Power 750W-72V Vol: 50-150V	 Solar Panel: 265w*4PCS / 340W*3PCS
Power 900W-72V Vol: 50-150V	 Solar Panel: 265w*4PCS / 340W*4PCS
Power 1000W-96V Vol: 60-200V	 Solar Panel: 265w*6PCS / 340W*6PCS
Power 1300W-96V Vol: 60-200V	 Solar Panel: 265w*8PCS / 340W*8PCS
Power 1600W-110V Vol: 60-200V	 Solar Panel: 265w*4PCS / 340W*4PCS

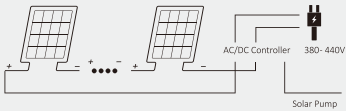
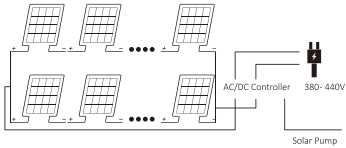
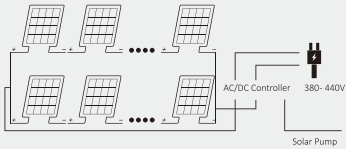
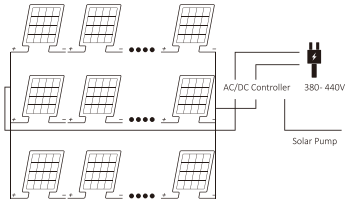
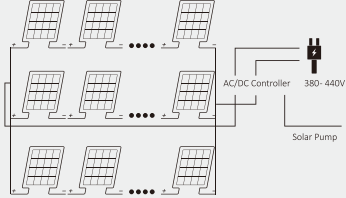
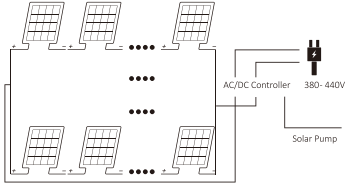


Solar Panel recommendation for AC/DC Solar Pump

POWER 750W-220V BEST DC Vol. 300-400V	Solar Panel: 265W*7PCS Solar Panel: 340W*6PCS
POWER 1100W-220V 1200W-220V BEST DC Vol. 300-400V	Solar Panel: 265W*8PCS Solar Panel: 340W*7PCS
POWER 1300W-220V 1500W-220V BEST DC Vol. 300-400V	Solar Panel: 265W*10PCS Solar Panel: 340W*8PCS
POWER 2200W-220V BEST DC Vol. 300-400V	Solar Panel: 265W*11PCS Solar Panel: 340W*9PCS
POWER 2200W-380V BEST DC Vol. 480-750V	Solar Panel: 265W*15PCS Solar Panel: 340W*13PCS
POWER 3000W-380V BEST DC Vol. 480-750V	Solar Panel: 265W*16PCS Solar Panel: 340W*14PCS



Solar Panel recommendation for AC/DC Solar Pump

POWER 4000W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*19PCS Solar Panel: 340W*17PCS
POWER 5500W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*32PCS Solar Panel: 340W*28PCS
POWER 7500W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*38PCS Solar Panel: 340W*34PCS
POWER 9200W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*48PCS Solar Panel: 340W*42PCS
POWER 11000W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*54PCS Solar Panel: 340W*48PCS
POWER 15000W-380V BEST DC Vol. 480-750V	 Solar Panel: 265W*80PCS Solar Panel: 340W*68PCS

Model Name Explanation

S3SS1.7 -109-48-500D

S	3	S	4	1.7	-	109	-	48	-	500	D
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① S	Z: ZSCO DC controller (Bigger) S: SSCO DC controller (Middle) E: ESCO DC controller (Smaller)										
② 3	3: Pump Diameter 3 inch(Min. borehole size) 4: Pump Diameter 4 inch(Min. borehole size)										
③ S	S: Normal Standard H: Higher Standard(Cast 3045S Stronger Pump body)										
④ S	S: Screw Pump										
⑤ 1.7	Max Flow: 1.7 m3/h @ 1 m head										
⑥ 109	Max head(Shut off head): 109m @ 0 Flow										
⑦ 48	Rated Voltage Input(Min. Voltage): 48V										
⑧ 500	Rated Power Input(Min. Power): 500 w										
⑨ D	S or None: 304 Material Standard / 3045S Oil Cylinder and 3045S lantern and Delivery casing D:201 Material Standard / 2015S Oil Cylinder and 2015S lantern and Delivery casing B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing C: Cast Iron HT250 Oil Cylinder and 2015S or Brass lantern and Delivery casing										

Z4PC6 -112-110-1300

Z	4	P	C	6	-	112	-	110	-	1300	
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① Z	Z: ZSCO DC controller (Bigger) S: SSCO DC controller (Middle) E: ESCO DC controller (Smaller)										
② 4	3: Pump Diameter 3 inch(Min. borehole size) 4: Pump Diameter 4 inch(Min. borehole size)										
③ P	P: PC impeller type S: 3045S impeller type										
④ C	C: Centrifugal type pump										
⑤ 6	Max Flow: 6.0 m3/h @ 1 m head										
⑥ 112	Max head(Shut off head): 112m @ 0 Flow										
⑦ 110	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1300	Rated Power Input(Min. Power): 1300 w										
⑨	S or None: 304 Material Standard / 3045S Oil Cylinder and 3045S lantern and Delivery casing D:201 Material Standard / 2015S Oil Cylinder and 2015S lantern and Delivery casing B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing C: Cast Iron HT250 Oil Cylinder and 2015S or Brass lantern and Delivery casing										

Z4/6SC36 -22-110-1500

Z	4/6	S	C	36	-	22	-	110	-	1500	
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① Z	Z: ZSCO DC controller (Bigger) S: SSCO DC controller (Middle) E: ESCO DC controller (Smaller)										
② 4/6	3: Pump Diameter 3 inch(Min. borehole size) 4: Pump Diameter 4 inch(Min. borehole size) 4/6: Pump Diameter 6 inch(Min. borehole size)										
③ S	P: PC impeller type S: 3045S impeller type										
④ C	C: Centrifugal type pump										
⑤ 36	Max Flow: 36.0 m3/h @ 1 m head										
⑥ 22	Max head(Shut off head): 22m @ 0 Flow										
⑦ 110	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1500	Rated Power Input(Min. Power): 1500 w										
⑨	S or None: 304 Material Standard / 3045S Oil Cylinder and 3045S lantern and Delivery casing D:201 Material Standard / 2015S Oil Cylinder and 2015S lantern and Delivery casing B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing C: Cast Iron HT250 Oil Cylinder and 2015S or Brass lantern and Delivery casing										

S4SC5.2 -198-200-1500D

S	4	S	C	5.2	-	198	-	200	-	1500	D
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① S	Z: ZSCO DC controller (Bigger) S: SSCO DC controller (Middle) E: ESCO DC controller (Smaller)										
② 4	3: Pump Diameter 3 inch(Min. borehole size) 4: Pump Diameter 4 inch(Min. borehole size)										
③ S	P: PC impeller type S: 3045S impeller type										
④ C	C: Centrifugal type pump										
⑤ 5.2	Max Flow: 6.0 m3/h @ 1 m head										
⑥ 198	Max head(Shut off head): 112m @ 0 Flow										
⑦ 200	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1500	Rated Power Input(Min. Power): 1300 w										
⑨ D	S or None: 304 Material Standard / 3045S Oil Cylinder and 3045S lantern and Delivery casing D:201 Material Standard / 2015S Oil Cylinder and 2015S lantern and Delivery casing B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing C: Cast Iron HT250 Oil Cylinder and 2015S or Brass lantern and Delivery casing										

ZSHF26 -15-110-1100H

Z	S	H	F	26	-	15	-	110	-	1100	H
①	②	③	④	⑤		⑥		⑦		⑧	
① Z	Z: ZSCO DC controller (Bigger) S: SSCO DC controller (Middle) E: ESCO DC controller (Smaller)										
② S	S: Solar DC Pump										
③ HF	HF: HF Series surface pump										
④ 26	Max Flow: 26 m3/h @ 1 m head										
⑤ 15	Max head(Shut off head): 15m @ 0 Flow										
⑥ 110	Rated Voltage Input(Min. Voltage): 110V										
⑦ 1100	Rated Power Input(Min. Power): 1100 w										
⑧ H	H: with Frame None: without Frame										

Z4PC13 -130-300-2500D -A/DHY

Z	4	P	C	13	-	130	-	300	-	2500	D	-	A/DHY
①	②	③	④	⑤		⑥		⑦		⑧	⑨		⑩
① Z	Z: ZSCO controller Box												
② 4	3: Pump Diameter 3 inch(Min. borehole size) 4: Pump Diameter 4 inch(Min. borehole size)												
③ P	P: PC impeller type S: 3045S impeller type												
④ C	C: Centrifugal type pump												
⑤ 13	Max Flow: 13 m3/h @ 1 m head												
⑥ 130	Max head(Shut off head): 130m @ 0 Flow												
⑦ 300	Rated Voltage Input(Min. Voltage): 300V												
⑧ 2500	Rated Power Input(Min. Power): 2500 w												
⑨ D	S or None: 304 Material Standard / 3045S Oil Cylinder and 3045S lantern and Delivery casing D:201 Material Standard / 2015S Oil Cylinder and 2015S lantern and Delivery casing B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing C: Cast Iron HT250 Oil Cylinder and 2015S or Brass lantern and Delivery casing												
⑩ A/DHY	A/DHY: AC/DC Automatically Hybrid Solar Pump Controller A/DSW: AC/DC Automatically Switching Solar Pump Controller A/DCP: AC/DC Automatically Completery Solar Pump Controller												



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