

SOLAR PUMP



ZSCO-ADCP
AC/DC COMPLEMENTARY

2023

PRODUCT CATALOG

CE © ISO9001





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

SOLAR
ZPI

Z3PC-A/DOP

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



01

Outlet

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

02

Inlet

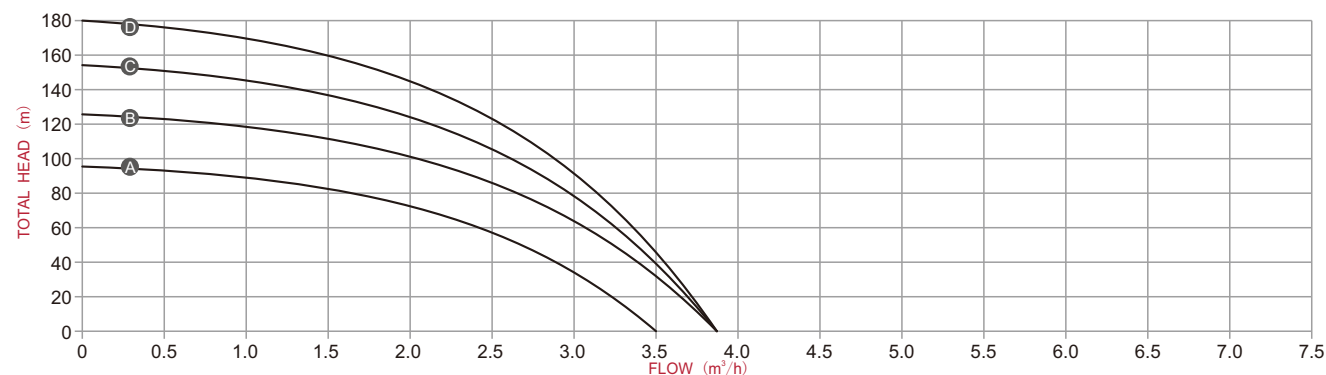
Stainless Steel
AISI 304SS/316SS

03

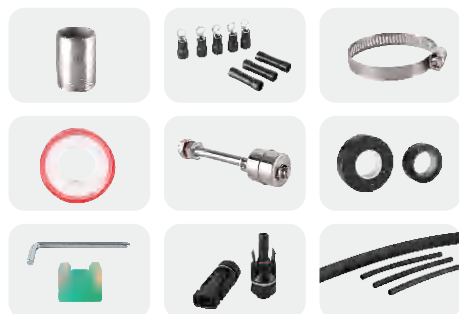
Bottom support

Stainless Steel
AISI 304SS/316SS

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	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/DOP

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



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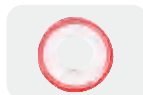
03

Bottom support

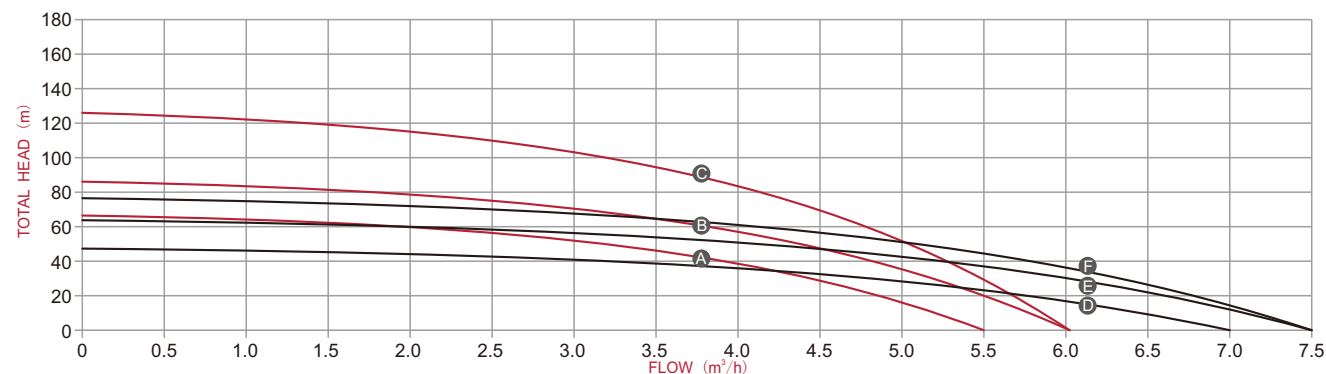
Stainless Steel
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FREE SPARE PARTS



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	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

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Z4PC-A/DOP

AC/DC Hybrid Solar Pump Series

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Inlet

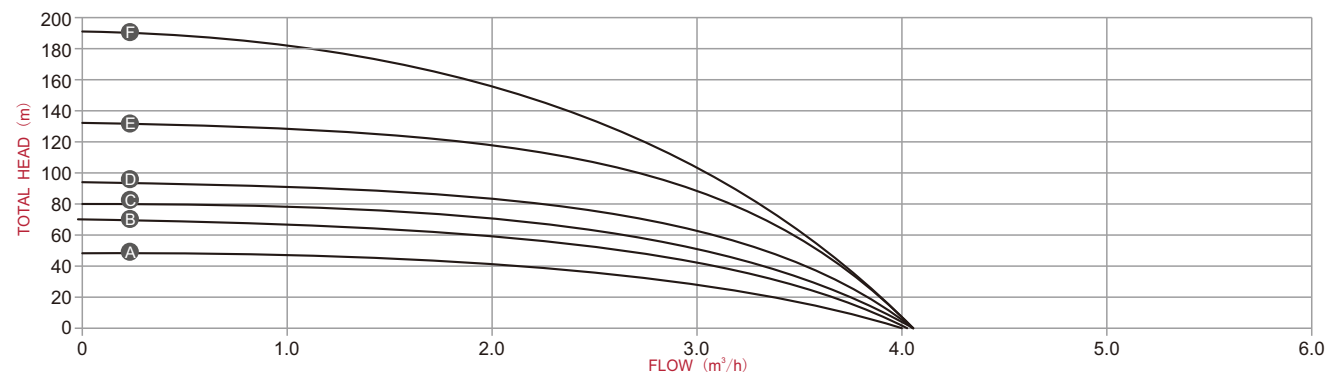
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AISI 304SS/316SS

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Bottom support

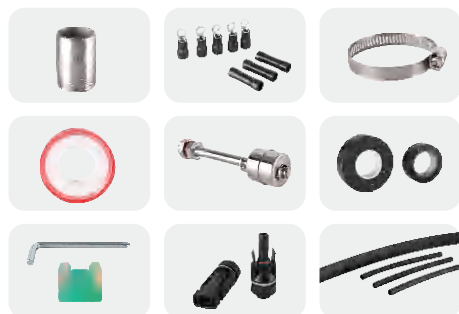
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	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

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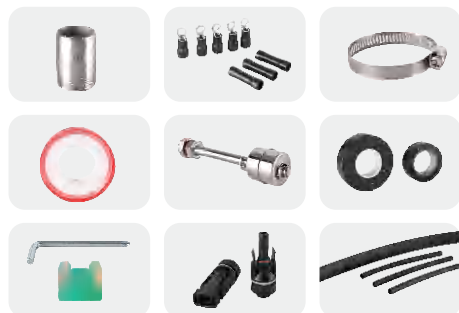
Z4PC-A/DOP

AC/DC Hybrid Solar Pump Series

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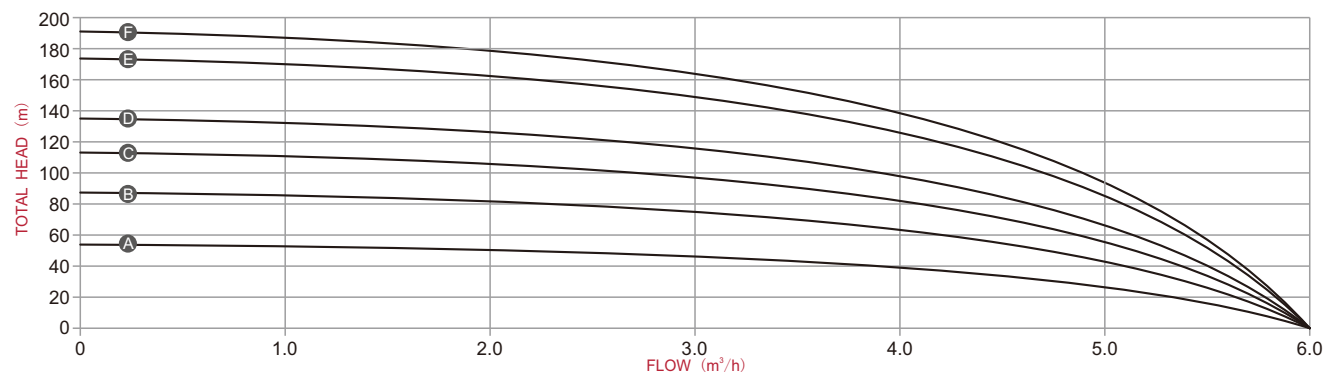
Stainless Steel
AISI 304SS/316SS

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	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
ZPI

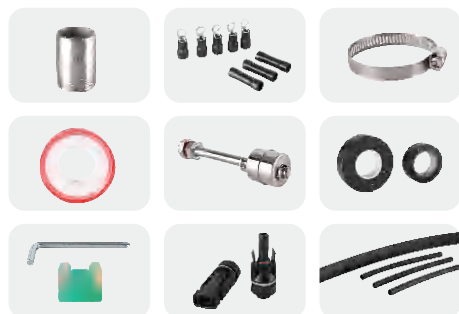
Z4PC-A/DOP

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY

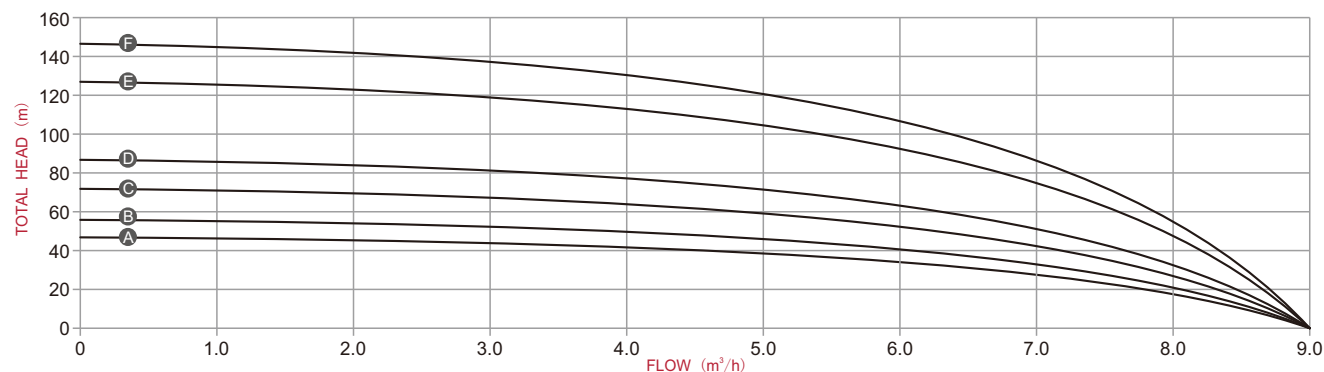


FREE SPARE PARTS



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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	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



01

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1.25 / 1.5 / 2.0 inch,
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Bottom support

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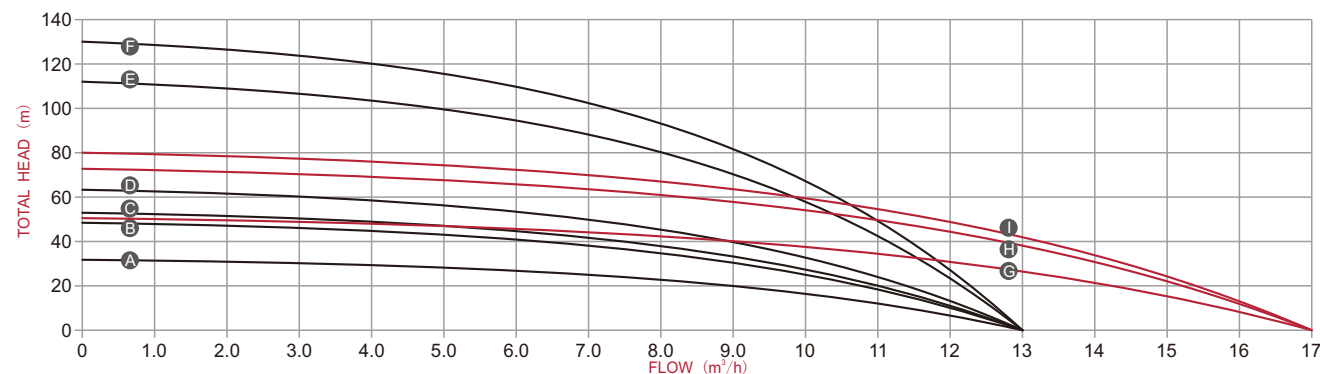
Stainless Steel
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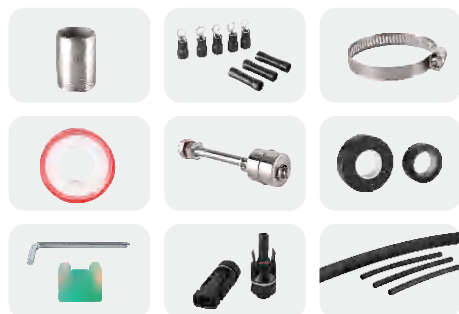
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PERFORMANCE CURVES AND DATA



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									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



ADVANCED TECHNOLOGY



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Inlet

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Bottom support

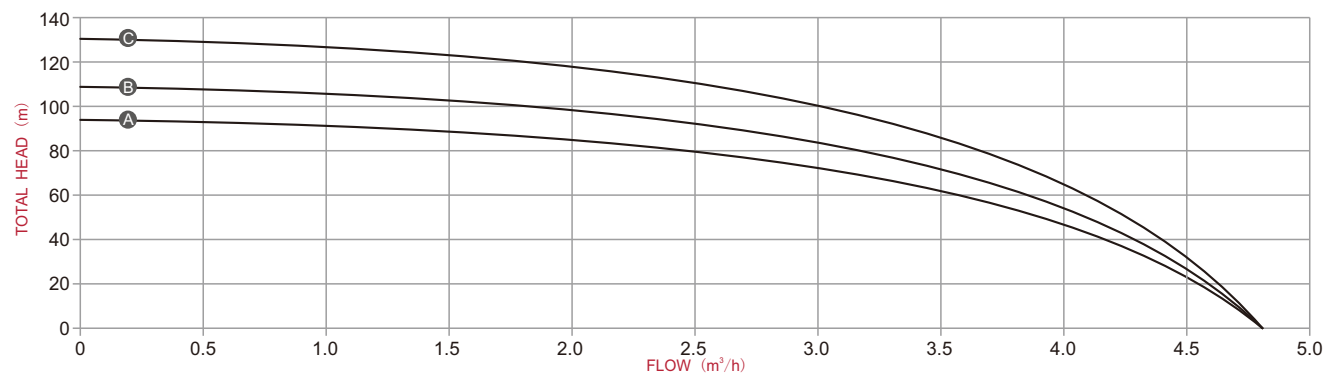
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FREE SPARE PARTS



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

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Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



Low-voltage / Over-voltage Protection



Over Current Protection



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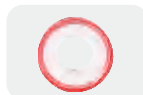
03

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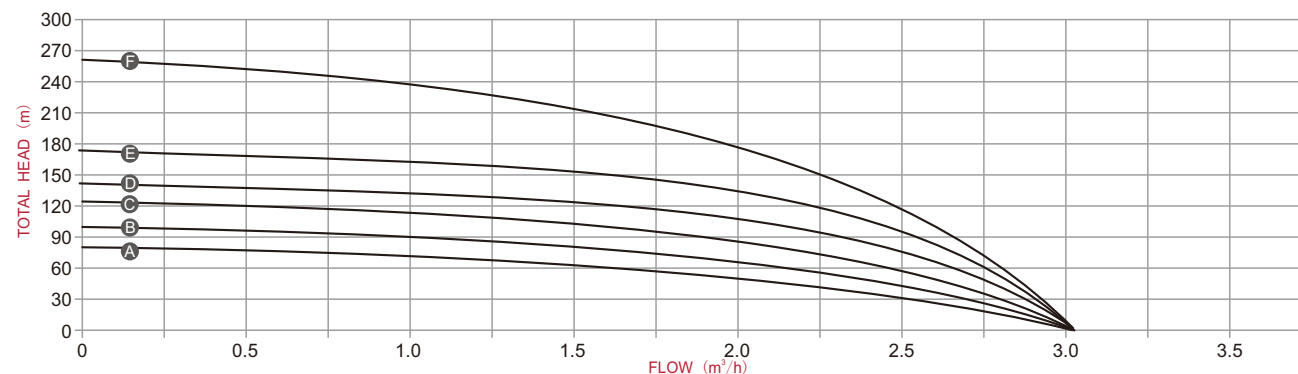
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FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



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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

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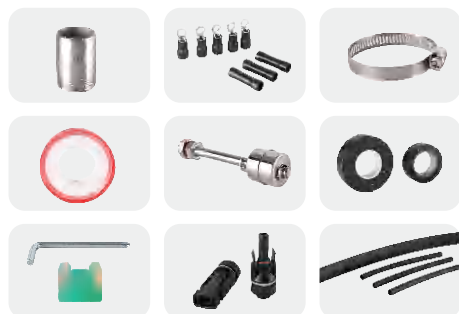
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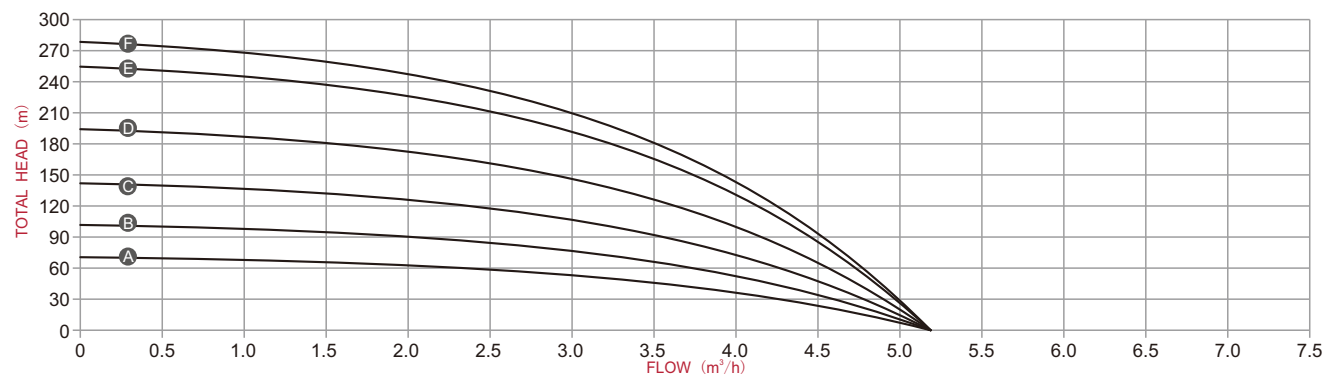


03

Bottom support
Stainless Steel
AISI 304SS/316SS



PERFORMANCE CURVES AND DATA



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									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
ZPI

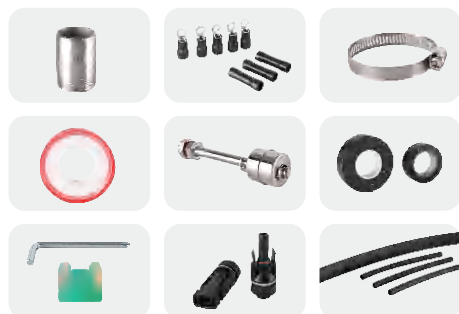
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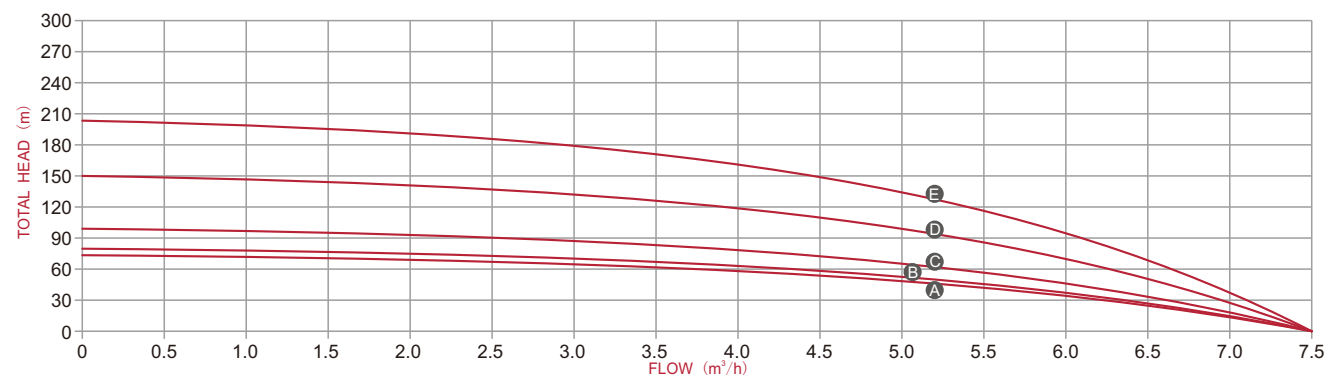
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									Open circuit voltage (VOC)	Power
A	Z4SC7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC7.5-100-200-1500-A/D	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

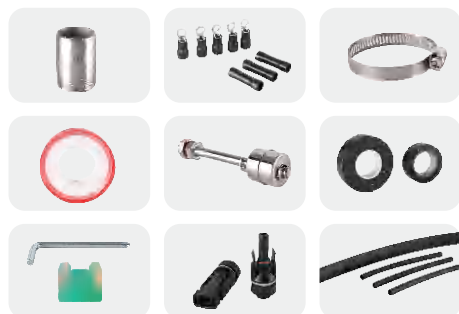
Z4SC-A/DOP

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



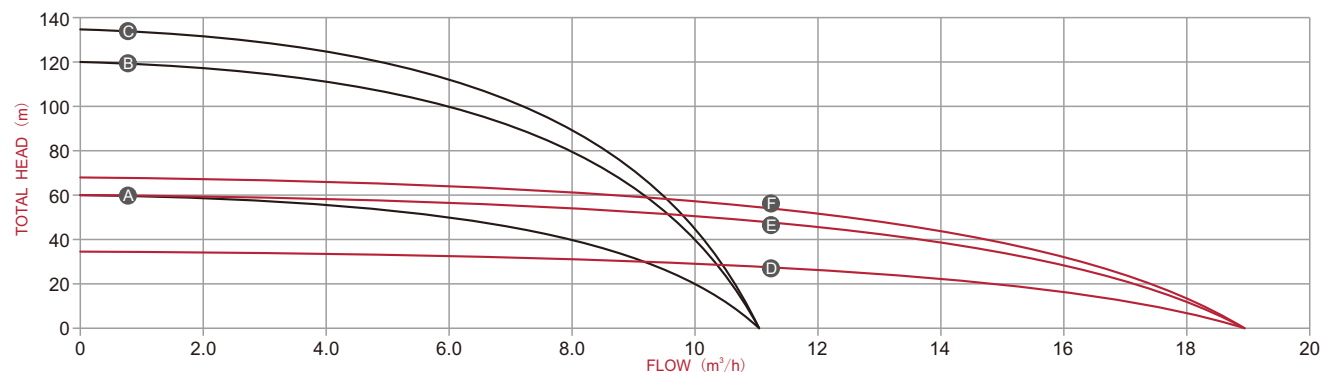
03

Bottom support

Stainless Steel
AISI 304SS/316SS



PERFORMANCE CURVES AND DATA

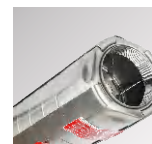


No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m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

SOLAR
ZPI

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



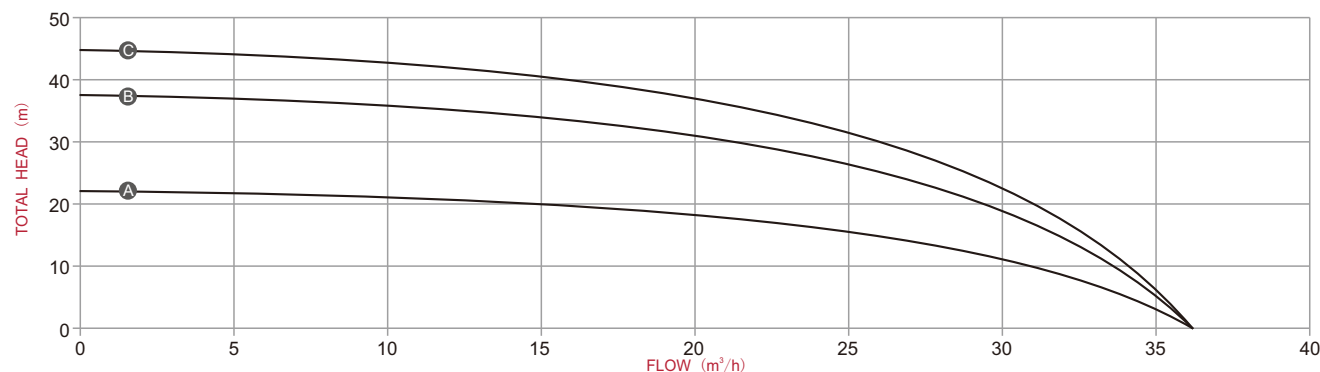
ADVANCED TECHNOLOGY



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	Z4/6SC36-22-200-1500-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

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

SOLAR
ZRI

Z3SC-A/DOP

AC/DC Hybrid Solar Pump Series



ADVANCED TECHNOLOGY



01

Outlet

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

02

Inlet

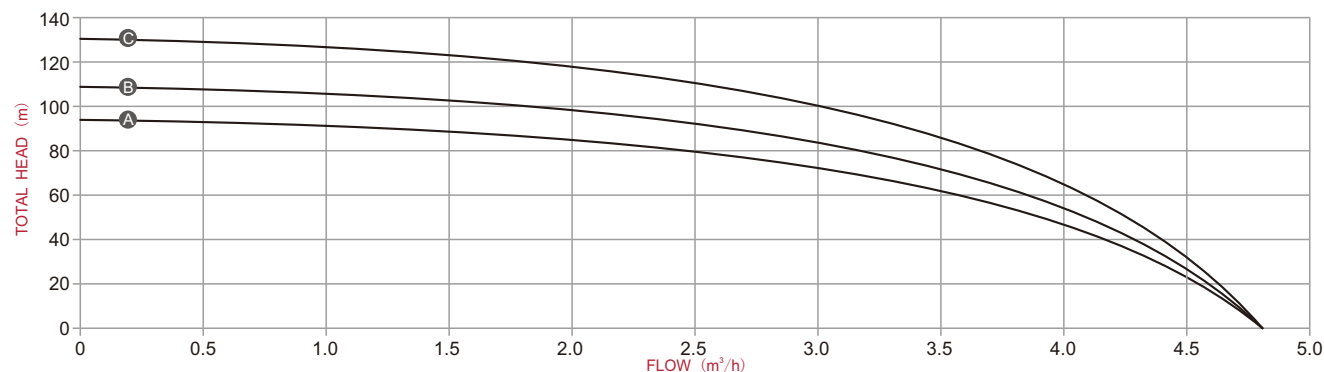
Stainless Steel
AISI 304SS/316SS

03

Bottom support

Stainless Steel
AISI 304SS/316SS

PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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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	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/DOP

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 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

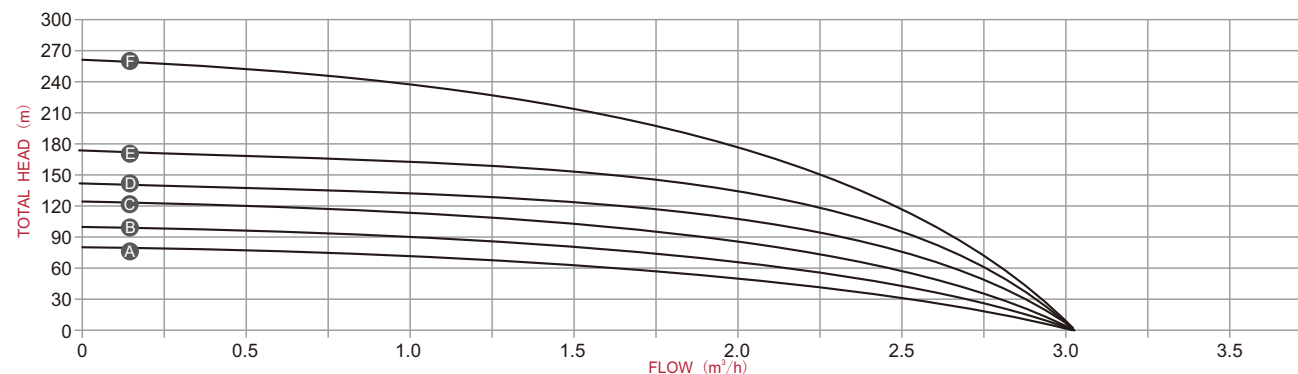
Stainless Steel
AISI 304SS/316SS

03

Bottom support

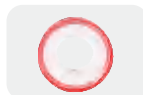
Stainless Steel
AISI 304SS/316SS

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



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Temperature Protection and against reverse polarity

SOLAR
ZRI

Z4SC-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

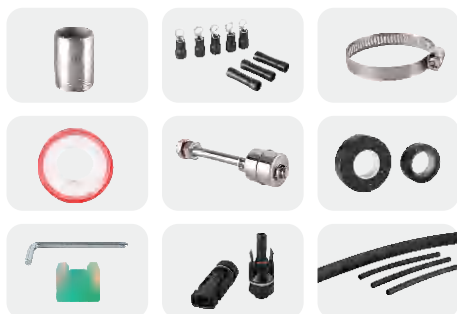
Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

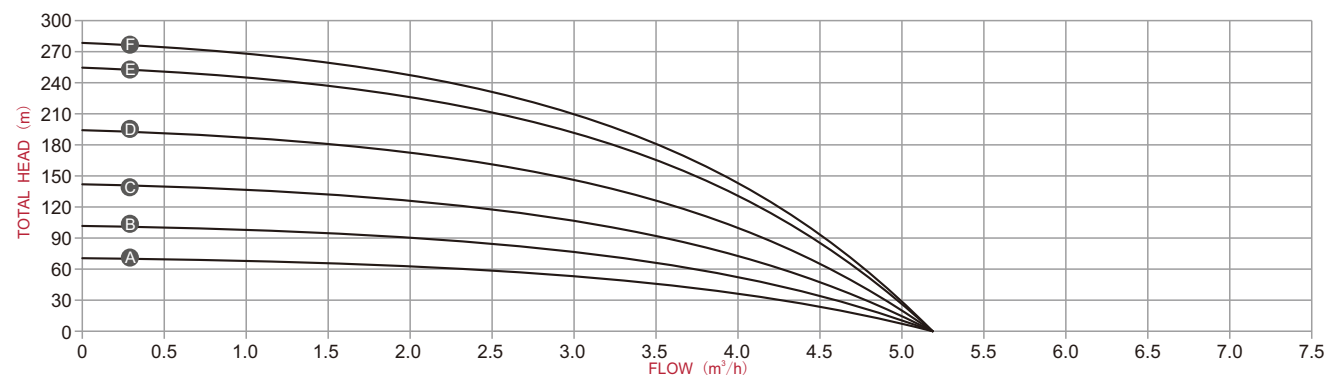


FREE SPARE PARTS



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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	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
ZPI

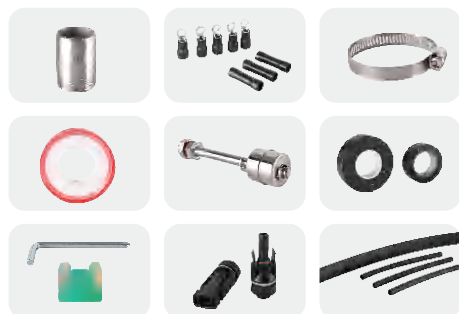
Z4SC-A/DOP

AC/DC Hybrid Solar Pump Series

ADVANCED TECHNOLOGY



FREE SPARE PARTS



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Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity



01

Outlet

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

02

Inlet

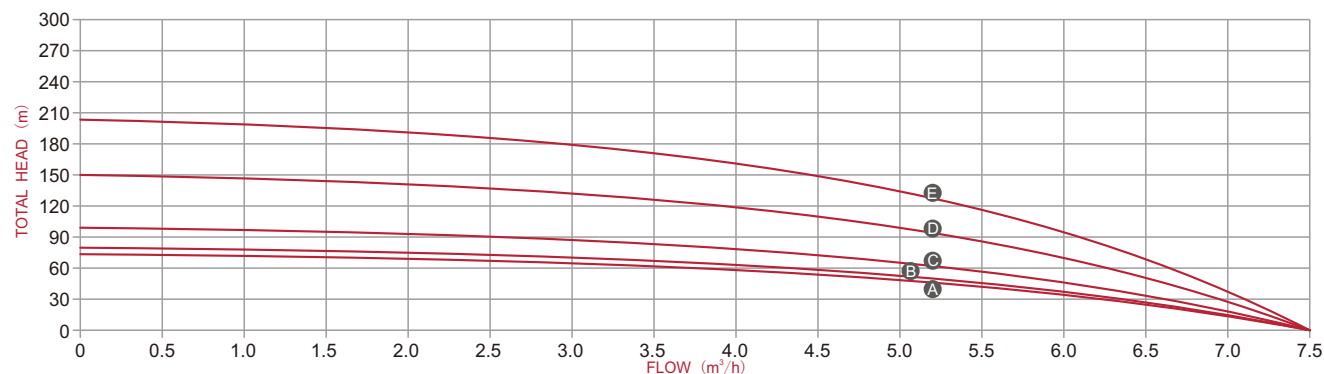
Stainless Steel
AISI 304SS/316SS

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	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

Z4SC-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

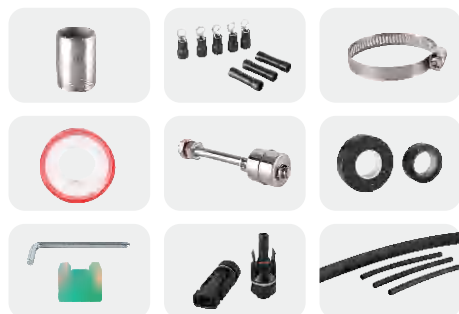
Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

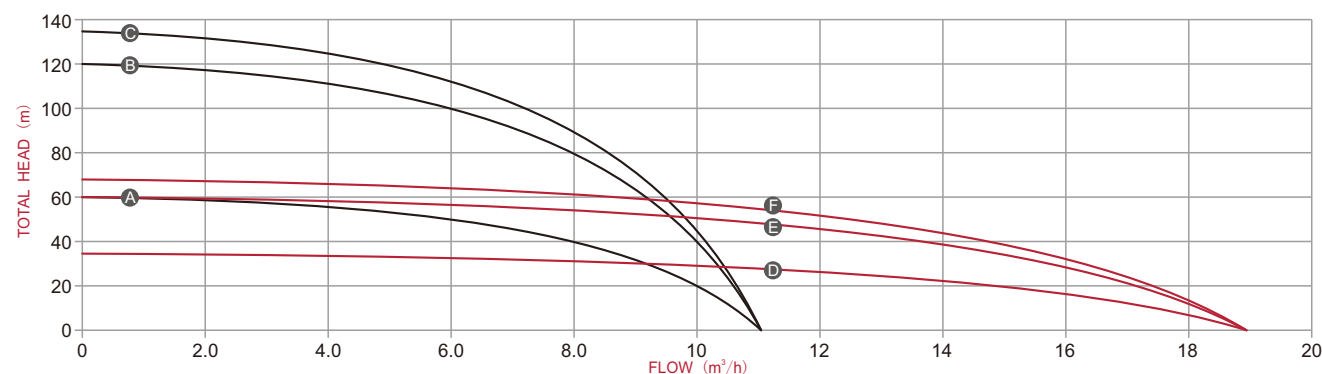


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
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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

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

SOLAR
ZPI

Z4SC-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

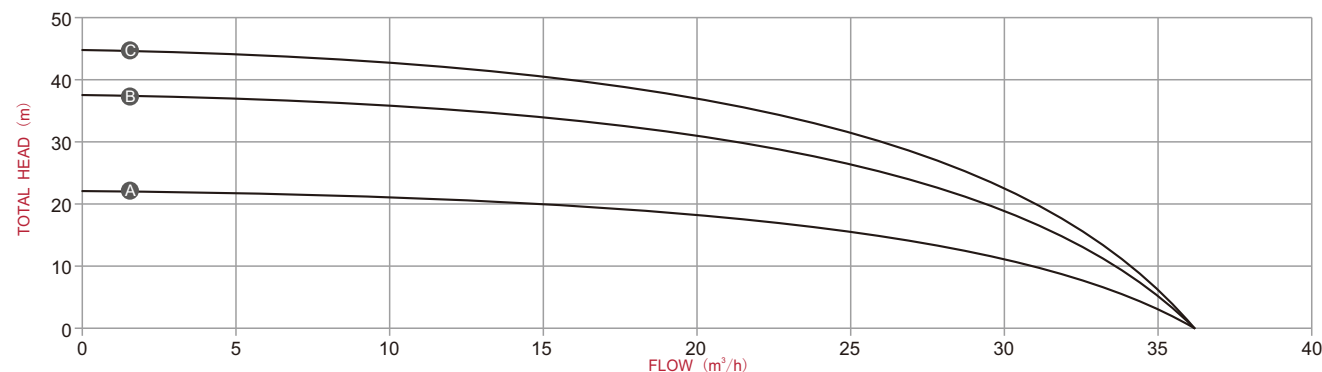
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



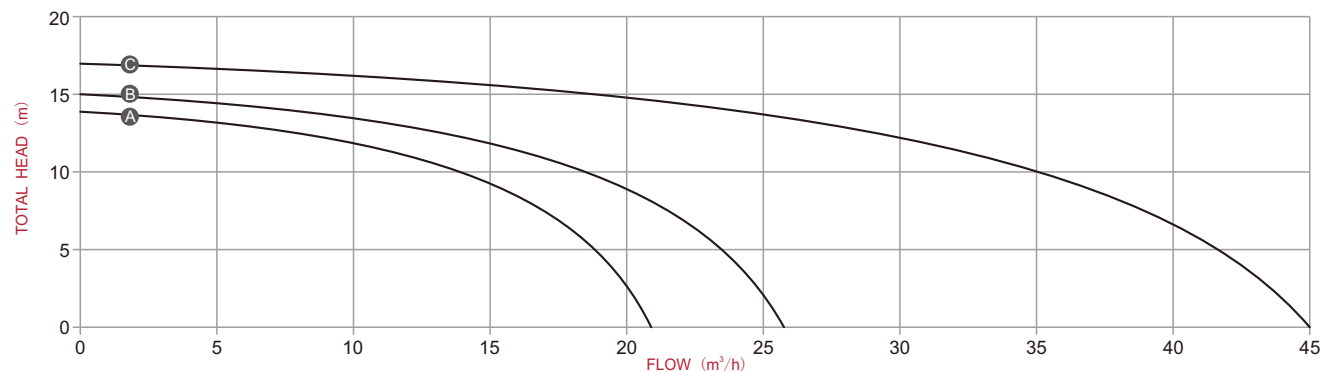
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SW36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SW36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m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



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	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER

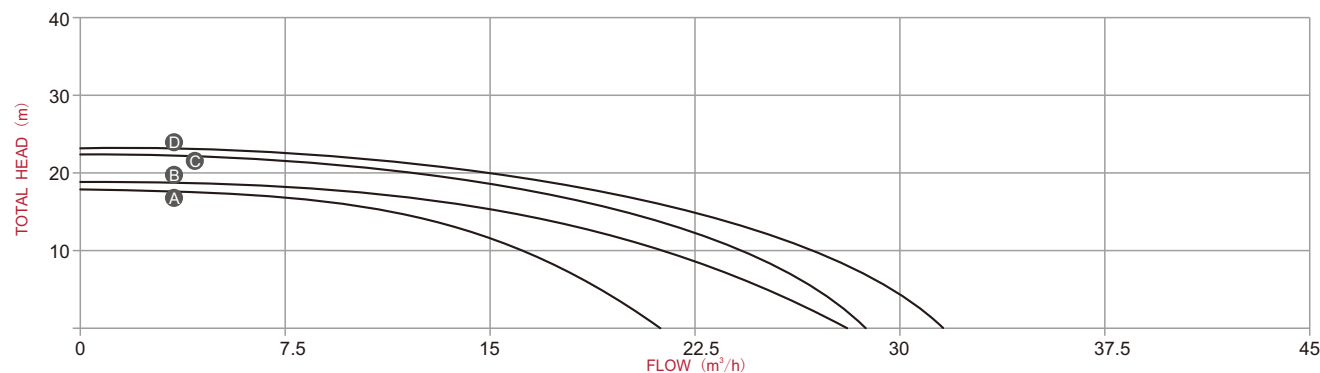


Running Speed Control	Short-Circuit Protection	MPPT	Dry Running Protection	Soft Starting Protection	Reverse Voltage Protection	Low-voltage / Over-voltage Protection	Over Current Protection



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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	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		





ZHEJIANG RAMBO INTELLIGENT TECHNOLOGY CO., LTD

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