

AMAXPOWER

Power the green energy future



中碩國際集團

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Lithium Battery Green Power Solution

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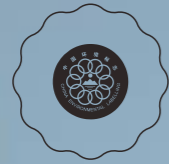
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National Green Factory



CNAS certified laboratory



High-tech enterprises

100+ GWh

Cumulative global shipments by the end of 2023

200+

Invention patents

6500+

Employees

19+ Years

R&D and manufacturing experience of Sustainable energy battery

10+

Global professional manufacturing factories

100+

Products are widely used in countries and regions

Amaxpower International Group

Amaxpower International Group was founded in 2005, it focuses on providing safe and intelligent energy storage solutions for global users and has formed a complete industrial chain integrating research, production, sales, service, and recycling of energy storage products.

Amaxpower passes and implements ISO9001 quality management system certification, ISO 14001 environmental system certification and ISO45001 occupational health & safety system certification, and has also obtained CE certification, FCC, TLC report. Amaxpower has won many national, provincial and municipal honors such as high-tech enterprise, specialized new enterprise, national green design product, Guangdong famous brand product, Guangdong engineering technology research center, Guangdong doctoral workstation, etc., and actively participated in the formulation of a number of national industry standards, authorized a number of invention patents.

Amaxpower products are widely used in industrial and commercial energy storage residential energy storage, microgrid, communication stations, UPS, data center, emergency power supply, rail transportation, mining, EV charging stations, solar & wind energy storage, motive, etc.

Certificates



New Generation Lithium Battery



■ 12.8V Series

■ 25.6V Series

New Generation Lithium Battery Storage System

12.8V Series/25.6V Series

IEC, CE, UN38.3, UL, MSDS, ROHS



Safe & Reliable

- Long life type prismatic LiFePO4 cells, service life > 3500 cycles
- BMS full life protection
- APP 24/7 monitoring
- Better case material ABS+PC



Flexible & Easy operation

- Same VRLA case size, facilitating replacement
- Perfect compatible with inverter
- LED display

High & Low temperature adaptable

- Wide temperature range: -20 ~ +55°C
- IP65 protection level, Indoor and outdoor application

Economical & Efficient

- 1c fast charge, fully charge within 1 hour
- Triple energy density of the traditional VRLA



PARAMETERS



Model	Nominal Voltage[V]	Nominal Capacity[Ah]	L	W	H	Max Discharge Current
6.4V4.5Ah	6.4	4.5	70	47	100	4.5A
12.8V6Ah	12.8	6	151	65	95	6A
12.8V8Ah	12.8	8	151	65	95	8A
12.8V9Ah	12.8	9	151	65	95	9A
12.8V12Ah	12.8	12	151	65	95	12A
12.8V12Ah	12.8	12	151	99	92	12A
12.8V18Ah	12.8	18	151	99	92	18A
12.8V20Ah	12.8	20	181	77	167	20A
12.8V24Ah	12.8	24	181	77	167	24A
12.8V30Ah	12.8	30	195	130	155	30A
12.8V50Ah	12.8	50	198	166	169	50A
12.8V50Ah	12.8	50	198	166	169	50A
12.8V100Ah	12.8	100	306	168	220	100A
12.8V100Ah	12.8	100	507	110	238	100A
12.8V100Ah	12.8	100	355	176	190	100A
12.8V135Ah	12.8	135	355	176	190	100A
12.8V150Ah	12.8	150	483	170	241	150A
12.8V100Ah(G24)	12.8	100	260	168	211	100A
12.8V100Ah(G31)	12.8	100	330	172	214	100A
12.8V135Ah(G31)	12.8	135	330	172	214	100A
12.8V200Ah	12.8	200	522	240	219	200A
12.8V280Ah	12.8	280	522	240	219	140A
12.8V300Ah	12.8	300	522	240	219	200A
25.6V50Ah	25.6	50	330	172	214	50A
25.6V72Ah(G31)	25.6	72	330	172	214	72A
25.6V100Ah	25.6	100	522	240	219	100A
25.6V150Ah	25.6	150	522	240	219	150A
25.6V200Ah	25.6	200	521	268	225	200A

Rack Mounted Lithium Battery



Rack Mounted Lithium Battery

25.6V/48V/51.2V series

IEC, CE, UN38.3, UL, MSDS, ROHS



Safe & Reliable

- Long life type prismatic LiFePO4 cell
- High Reliability BMS: AFE microchip (Panasonic) & MCU (ST)
- Low voltage system, safety for application
- Independent protection for charge and discharge
- Wide temperature range: -20 ~ +55°C
- APP monitoring

Flexible & easy operation

- Standard 19-inch rack design
- Plug and play, easy installation, space saving
- Compatible with major inverter brands
- Expandable capacity



PARAMETERS

Model	Nominal Voltage[V]	Nominal Capacity[Ah]	L	W	H	Max Discharge Current
25.6V100Ah	25.6	100	442	300	110	100A
25.6V200Ah	25.6	200	442	400	130.5	150A
48V50Ah	48	50	442	400	130.5	50A
48V70Ah	48	70	442	400	130.5	70A
48V100Ah	48	100	442	400	130.5	100A
48V135Ah	48	135	442	450	175	100A
48V150Ah(4U)	48	150	442	520	175	100A
48V200Ah-100A	48	200	442	548	250	100A
48V200Ah-150A	48	200	442	548	250	150A
51.2V50Ah	51.2	50	442	400	130.5	50A
51.2V70Ah	51.2	70	442	400	130.5	70A
51.2V100Ah	51.2	100	442	400	130.5	100A
51.2V135Ah	51.2	135	442	450	175	100A
51.2V150Ah(4U)	51.2	150	442	520	175	100A
51.2V150Ah(6U)	51.2	150	442	394	262	100A
51.2V200Ah-100A	51.2	200	548	442	250	100A
51.2V200Ah-150A	51.2	200	548	442	250	150A
51.2V280Ah-140A	51.2	280	548	442	250	140A

Ress



Residential Energy Storage System

5KWh/10KWh/15KWh Wall-Mounted RESS

IEC, CE, UN38.3, MSDS, ROHS



Safe & Reliable

- BMS full life protection
- APP 24/7 monitoring
- A grade LFP cell, service life > cycles
- Outage Protection, Keep Appliances Running



Flexible & easy operation

- Plug and play, easy installation, space saving
- Compatible with major inverter brands
- Expandable capacity from 5KWh - 90KWh

High & Low temperature adaptable

- Wide temperature range: -20 ~ +55°C
- IP65 protection level, Indoor and outdoor application

Eco friendly & Economical

- Green energy, zero carbon emission
- Peak-shaving & valley-filling, profits making



#PARAMETERS



Model	BAT-5KWH-51.2V	BAT-10KWH-51.2V	BAT-10KWH-51.2V-150A	BAT-10KWH-51.2V-200A	BAT-15KWH-51.2V-140A
Nominal Voltage [V]	51.2	51.2	51.2	51.2	51.2
Nominal Capacity [Ah]	100	200	200	200	280
Total Energy [Wh]	5120	10240	10240	10240	14336
Dimension (W*D*H, mm)	520*165*566	520*165*865	520*165*865	520*165*865	520*200*865
Weight [Kg]	50	96	96	96	125
Max. Charging Current [A]	100	100	150	200	140
Max. Discharging Current [A]	100	100	150	200	140
Pulse Discharge Current	110A@10min 120A@10s	110A@10min 120A@10s	165A@10min 180A@10s	210A@10min 220A@10s	165A@10min 180A@10s
Charging Voltage [V]	55.2~57.6				
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)				
Operation Humidity	0~95% RH (No condensing)				
Operating Temperature Range	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -30 ~ +55°C				
Cycle Life ⁽¹⁾	>6000				
Designed Calendar Life	10 Years				
Communication interface	RS485, CAN				
Protection	Over voltage, Low voltage, Over current, Over Temperature, Low Temperature, Short circuit				
Parallel Support ⁽²⁾	Yes, Max. 15 Sets				
Series Support	Not support				

HR UPS Battery



HR UPS Battery

High Rate UPS Battery

Low Voltage All-in-one Lithium Battery

IEC, CE, UN38.3, UL, MSDS, ROHS



Safe & Reliable

- Long life LFP cell, multi-level safety protection design
- Independent protection for charge and discharge
- BMS full life protection
- Wide temperature range: -20 ~ +55°C

Flexible & easy operation

- Standard 19" rack design, easy installation
- Suitable for 5KVA~10KVA UPS
- 4.3" LED display for detailed operation information
- Parallel connection for more energy



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PARAMETERS

Model	A-LFP192V50Ah
Cell Type and connection	Prismatic LiFePO4 Cell 3.2V50Ah, 1P60S
Nominal voltage [V]	192
Nominal capacity [Ah]	50
Total energy [KWh]	9.6
Max. charging current [A]	50
Charging voltage [V]	207~216
Max. continuous discharging current [A]	70
Recommended discharging current [A]	50
Peak discharging current [A]	90A-60s
End of discharge voltage [V]	168
Product dimension [W*D*H]	430*600*259
Product weight [Kg]	90
Protection class	IP20
Operating humidity	0-95 %RH (No condensing)
Operating temperature range	Charge: 0~+45°C; Discharge: -20~+45°C
Communication interface	RS485, CAN
Cycle Life	>3000 (25°C) / >2500 (45°C)
Designed life	10 Years
Protection	Over voltage, Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallels Support	Yes, Max. 8 Sets
Seires Support	NO

Bess



Bess Photovoltaic Energy Storage System

200KWh PV Ener Cube

IEC, CE, UN38.3, MSDS, ROHS



Safe & Reliable

- Energy storage A grade LFP cell, service life > 12,000 cycles
- Resistance up to C5 corrosion level, with 20-year reliability
- APP 24/7 monitoring
- IP55 protection grade, outdoor applications
- Compatible with major inverter brands
- Smarter design controls battery temperature difference to 3°C
- BESS theoretical reliability verified by thermal aerodynamic finite element analysis simulation
- Temperature sensor, perfluorohexanone, aerosol, water fire protection

Standardized design

- Battery and EMS integration
- Auto production high consistency
- Reducing on-site installation costs and commissioning time

Widely Applications

- Off-grid connected operation, Hybrid connected operation
- Industrial, Commercial, Microgrid, Solar power, Hydraulic power, Wind power, EV Charging station, Power backup etc.



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#PARAMETERS

Model	EnerCube -200KWh
DC battery parameters	
Types of batteries	LFP 280Ah
Battery Pack Configuration	14.336KWh/1P16S
Battery System Configuration	200KWh/1P224S
Rated voltage	716.8V
Battery voltage range	627~806V
Number of temperature measurements	84
System parameters	
Maximun system efficiency	≥94%
Charge/discharge ratio	≤0.5C
The depth of discharge	100%DOD
Cycles	>8000
Communication interface	CAN/RS485/LAN
Protection grade	IP55
Type of cooling	Air conditioning air cooling
Operating temperature	-35°C~+55°C
Relative humidity	5~95%RH, No condensation
Noise	<70dB
Altitude	<2000m
Size(W*H*D)	1200*2280*1100mm
Fire fighting system	Aerosol + Pack-level immersion + Active warning
Weight	2400kg

Bess Industrial & Commercial Energy Storage System 200KWh Energy Storage Cabinet

IEC, CE, UN38.3, MSDS, ROHS



Safe & Reliable

- Energy storage A grade LFP cell, service life > 12,000 cycles
- Resistance up to C5 corrosion level, with 20-year reliability
- APP 24/7 monitoring
- IP55 protection grade, outdoor applications
- Compatible with major inverter brands
- Smarter design controls battery temperature difference to 3°C
- BESS theoretical reliability verified by thermal aerodynamic finite element analysis simulation
- Temperature sensor, perfluorohexanone, aerosol, water fire protection

All-in-one design

- Battery, PCS and EMS integration
- Standardized modular design
- Auto production high consistency
- Reducing on-site installation costs and commissioning time

Widely Applications

- Grid-connected operation
- Industrial, Commercial, Grid-connected peak and valley arbitrage, demand control, Power backup etc.



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#PARAMETERS

Model	EnerCube-100KW200KWh-B
DC battery parameters	
Types of batteries	LFP 280Ah
Battery Pack Configuration	14.336KWh/1P16S
Battery System Configuration	200KWh/1P224S
Battery voltage range	627~806V
Number of temperature measurements	84
AC Parameters	
AC rated power	100KW
AC maximum power	110KW
AC current distortion rate	<3%
DC component	<0.5%lpn
Grid voltage range	380/400 (-15%~15%) Vac
Power factor	-1~+1
Rated grid frequency	50Hz/60Hz
System parameters	
Maximum system efficiency	≥91%
Charge/discharge ratio	≤0.5C
The depth of discharge	100%DOD
Cycles	>8000
Communication interfac	CAN/RS485/LAN
Protection grade	IP55
Type of cooling	Air conditioning air cooling
Operating temperature	-35°C~+55°C
Relative humidity	5~95%RH, No condensation
Noise	<70dB
Altitude	<2000m
Size	1200*2350*1100mm
Fire protection system	Aerosol+Pack-level immersion+Active warning
Weight	2500Kg