

LIFEPO4 BATTERY

Floor Mounted Series

25.6V/48V/51.2V

100AH/200AH



Flexibly and Easy Installation

wall-mounted or floor-mounted



Easy Management

Real time online monitoring system battery status, intelligent warning



Strong Compatibility

Covering all mainstream protocols and matching most mainstream inverters



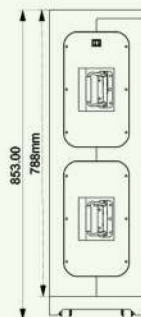
Long Life

4 times long static and 8 consistency screening make the battery more durable



Safety & Reliability

Nano-coating and self-healing technology construct the LFP channel to add a firewall to the battery



Outer Dimensions



Technical Parameter

Nominal voltage	51.2V	
Nominal capacity	280Ah	
Dimensions	Length	603+2mm
	Width	260+2mm
	height	853+2mm
Approx. net weight	140kg +2kg	
Approx. gross weight	160kg +2kg	
Electrical Parameters(25°C)	Rated Voltage	51.2V
	Rated Capacity (Ca)	280Ah@25°C
	Energy	14336Wh
	Months Self Discharge	<3%
	Charge Efficiency	99.5%@ 0.2C
	Discharge Efficiency	96-99%@ 1C
Terminal Diameter	M8	
Internal resistance (Fully charged, 25°C)	≤200mΩ	
Cycle life	>6000 cycles @ 25°C 0.5C/0.5C @80%DOD	
Capacity affected by temperature	40°C	101%
	25°C	100%
	0°C	90%
	-10°C	75%
Nominal operating temperature	25°C± 3°C	
Operating temperature range	Discharge	- 20°C~ 60°C
	Charge	0°C~ 45°C
	Storage	0°C~ 40°C
Water Dust Resistance	IP20	
Cell	LiFePO4	
Standard charge mode	0.2CA Constant Current to 57V, then Constant Voltage 57V , until the current drops to 0.02CA, before use, rest 30 minutes	
Continuous charge current	80A	
Maximum charge current	100A	
Cut off charge current	58.4V	
Continuous discharge current	200A	
Maximum pulse current	240A (<1S)	
Cut off discharge current	44.8V	
Communicate protocol (optional)	RS485	
SOC (optional)	Screen/LED/PC Software	
Working Relative Humidity	5% ~ 95%	
Parallel	15 units	
The dimension of wooden package	603*260*853mm	
Safety & Certification	CE, CEC, IEC62619, IEC 60730, UN38.3	

1 Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 °C

2 The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed

3 The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance