

Lithium Battery Module

Phoenix Series

5KWH / 10KWH



Phoenix series LITHIUM LiFePO4 BATTERY

Phoenix series Lithium LifePO4 Battery are high-tech products developed to meet the requirements of new backup power supplies, featuring integration,miniaturization, lightweight, intelligence, standardization,and environmental protection.

Working mode: Charging and discharging

Main Features

- Cells cycle times 6000 cycles(25°C 0.2C 80% DOD).
- Long lifespan: 5 years warranty, 10 years life design.
- Floor or wall mounted installation, space saving, easy installation, matching inverter to meet daily energy needs.
- Smart BMS system to optimize the performance.
- Communication: RS485/SNMP/Wifi/Bluetooth, Compatible with different brand of solar inverter and chargers.
- All around protection: such as SOC/SOH etc.. High discharge rate currents, suitable for on-grid or off- grid solar system and other loads.
- Maximum of 16 battery packs can be connected in parallel.
- With front display to know effectively the status of the batteries.



Technical Parameter

Model	Phoenix24-200	Phoenix48-100	Phoenix51205
Specification			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Model	25.6V200AH	51.2V100AH	51.2V 205AH
Nominal Capacity(25°C, 0.2C)WH	5120Wh	5120Wh	10496Wh
Adjustable working voltage(Vdc)	20.8 ~ 29.2V	41.6 ~ 58.4V	41.6 ~ 58.4V
Float Charge Voltage(Vdc)	28V	56V	56V
Max.Continuous discharge current(A)	100	100	200A
Max. pulse discharge current(A)	150A(1 sec) configurable		300A(1 sec) configurable
Max.Continuous charge current(A)	100	100	200A
Cycle life(25°C 0.2C 80% DOD)	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles
Cell Equalizer Current(A)	0.1 ~ 5A Max. (optional)	0.1 ~ 5A Max.(optional)	0.1 ~ 5A Max.(optional)
Terminal	Up to 16pcs		
Storage duration	6 months at 25°C		
Safety standard	IEC 62619, UN38.3, MSDS, CE		
Communication function	RS232/RS485/CAN(Standard), SNMP/Wifi/Bluetooth/Dry contact(Optional)		
Protection			
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection		
Ambient			
Noise(dB)	< 40dB(1 meter)		
Working temperature	- 20°C ~ +60°C		
Humidity	0 ~ 95%(no condensation)		
Altitude(m)	<3000		
Physical parameters			
W*H*D (mm)	442*590*152		444*726*266.6
Net Weight(Kg)	43.5		85.35
Gross Weight(Kg)	47.2		98.85

Additional Features (optional feature) LCD Display
Due to different communication protocol versions, it is necessary to confirm clearly before shipment.

Product specifications are subject to change without notice.