

Lithium Battery Module

Phoenix Series

5KWH / 10.5KWH



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	51.2V205AH
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	IE C 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.