

Lithium iron Battery



Features

- Soft Start function: Reduces the current impact when the inverter starts from the battery.
- Dual Active Protection: Features double protection at the BMS Level for enhanced safety.
- Communication Support: Supports host controllers to upgrade the battery module via RS485/RS232 communication
- 90% Depth of Charge: Enables deep usage for inverters operating in full compliance with the protocol.
- Eco-friendly: Non-toxic, non-polluting and environmentally safe
- Self-cooling: Built in Self-cooling mechanism to minimize system noise
- Lithium iron Phosphate Cathode: Known for high safety performance and a long cycle life.
- Comprehensive protection: The BMS provides over-discharge, over-charge, over-current and temperature protection.
- Automatic Management: Automatically manages charging and discharging status while balancing the voltage of each cell.
- Flexible Configuration: Multiple modules can be connected in parallel to increase capacity power.
- Low Self-discharge: Can be stored up to 6 months without charging and does not suffer from memory effect, offering excellent shallow charge/discharge performance

Specification	51.2V200A	25.6V280Ah	51.2V280Ah	25.6V314Ah	51.2V314Ah
Nominal Voltage	51.2V	25.6V	51.2V	25.6V	51.2V
Nominal Capacity	205Ah	280Ah	280Ah	314Ah	314Ah
Energy (Wh)	10496Wh	7168Wh	14336Wh	8038Wh	16077Wh
Discharge Cut-off Voltage	40V	20V	40V	20V	40V
Charge cut-off voltage	58.4V	29.2V	58.4V	29.2V	58.4V
Nominal charge current	50A	75A	75A	75A	75A
Max Charge Current/Nominal Discharge	100A	150A	150A	150A	150A
Max Discharge Current	150A	200A	200A	200A	200A
Peak (10s) discharge current	200A	300A	300A	300A	300A
Loaded Power	5-8kW	3-5kW	5-8kW	3-5kW	5-8kW
Cell Number	16	8	16	8	16
Cycle Life	≥6000@25° C 70%SOC				
Storage Temperature	-20~50° C				
Charge Temperature	0~55° C				
Discharge temperature	-20~60° C				