

Wall-Mounted/Stand LiFePO4 Battery

25.6V/48V/51.2V

Customized to meet customer requirements, our lithium iron phosphate batteries offer greater safety and an impressive cycle life exceeding 6000 cycles.

Wall-Mounted Stand energy storage battery BMS supports simultaneous communication and compatible with multiple inverter brands.



Modular design, standardized production, strong commonality, easy installation, operation and maintenance.



Using lithium iron phosphate cell, low internal resistance, high rate, high safety, long life. High consistency of internal resistance, voltage and capacity of single cell.



Intelligent system, low loss, high conversion efficiency, strong stability, reliable operation.



Support fast charging and discharging.



Three-level BMS can realize all-round monitoring and management in the system.



Using high-end battery cell with long cycle life and lifetime, the comprehensive operation cost is low.



Visual LCD display allows you to set operating parameters, view real-time data and operating status, and accurately diagnose operating faults.



Supports communication such as CAN2.0 and RS485, which can be used in various scenarios.

TECHNICAL DATA

| Model | 25.6V100Ah | 25.6V200Ah | 48V100Ah | 48V200Ah | 51.2V100Ah | 51.2V200Ah |
|-------|------------|------------|----------|----------|------------|------------|
|-------|------------|------------|----------|----------|------------|------------|

Battery Cell Parameters

| | | | | | | |
|-------------------|------------------------|------------|------------|------------|------------|------------|
| Battery Cell Type | LiFePO4 | LiFePO4 | LiFePO4 | LiFePO4 | LiFePO4 | LiFePO4 |
| Rated Voltage | 3.2V | 3.2V | 3.2V | 3.2V | 3.2V | 3.2V |
| Energy Density | 160Wh/kg | 160Wh/kg | 160Wh/kg | 160Wh/kg | 160Wh/kg | 160Wh/kg |
| Voltage Range | 2.8V-3.65V | 2.8V-3.65V | 2.8V-3.65V | 2.8V-3.65V | 2.8V-3.65V | 2.8V-3.65V |
| Certification | UN38.3/UL1973/IEC62619 | | | | | |

Product Parameters

| | | | | | | |
|-------------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rated Voltage | 25.6V | 25.6V | 48V | 48V | 51.2V | 51.2V |
| Scalable | Support Max.16 Units In Parallels | | | | | |
| Working Voltage Range | 22.4V-29.2V | 22.4V-29.2V | 37.5V-58.4V | 37.5V-58.4V | 44.8V-58.4V | 44.8V-58.4V |
| Fast Charge Voltage | 28.8V | 28.8V | 51.2V | 51.2V | 57.6V | 57.6V |
| Floating Charge Voltage | 28V | 28V | 52.0V | 52.0V | 56.0V | 56.0V |
| Rated Capacity | 100Ah | 200Ah | 100Ah | 200Ah | 100Ah | 200Ah |
| Energy | 2.56KWH | 5.12KWH | 4.8KWH | 9.6KWH | 5.12KWH | 10.24KWH |
| Rated Charge Current | 100Ah | 200Ah | 100Ah | 200Ah | 100Ah | 200Ah |
| Peak Charge Current | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah |
| Rated Discharge Current | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah |
| Terminal | Double M8 | | | | | |
| Product Dimension(MM) | 482*540*132 | 482*570*221 | 482*540*132 | 482*570*221 | 482*540*132 | 482*570*221 |
| Product Weight | 28.5KG | 49.5KG | 49.5KG | 97.5KG | 51.5KG | 108.5KG |

Other Parameters

| | |
|--------------------------|---|
| Charge Temperature | 0~55°C |
| Discharge Temperature | -10~55°C |
| Optimum Temperature | 15~25°C |
| Cooling Method | Natural cooling |
| IP rating | IP65 |
| Relative Humidity | 0%~95% |
| Altitude | ≤2000M |
| Cycle Life | ≥6000@80%DOD, 0.5C/0.5C, 25°C |
| Communication Interfaces | CAN2.0/RS485/RS232 |
| Protection | Over temperature, over current, over voltage, insulation and other multiple protection ,etc |
| Design Lifetime | ≥10 years |
| Parallel Capability | Maximum 15 units (Recommended ≤5 units) |
| Warranty | 5 Years |