

ENERGY STORAGE BATTERY SOLUTION

Energy storage battery
51.2V/100Ah



Product Highlight

- With smart BMS system.
- High discharge current, strong load impact resistance.
- 3U rack-mount design with flexible expansion and easy installation.
- Grade A Lithium Iron Phosphate Battery, Superior safety and reliability.
- Possess safety protection functions such as overcharge, over-discharge, overcurrent, high temperature, and low temperature.
- RS485/CAN communication allows for real-time monitoring of battery status and setting of protection parameters

BM051S48 Parameters

| MODEL | BM051S48 |
|----------------------------------|--|
| Battery | |
| Cell Material | Lithium Iron Battery |
| Battery Voltage | 51.2V |
| Battery Capacity | 5120Wh |
| Operation Voltage range | 44.8~57.6V |
| Max Continuous Discharge Current | 100A |
| Standard charging current | 50A |
| Max Continuous Charge Current | 100A |
| Battery Standard Cycle Life | 5000 cycles |
| Protection Features | Overcharge protection , Overdischarge protection , Overcurrent protection , Shortcircuit protection , Overtemperature protection |
| General Parameters | |
| Display | LED indicator light / LED Display (Optional) |
| Dimension W*D*H(mm) | 440*600*134 |
| Weight(NW Kg) | 43.5 |
| Chassis installation method | Rack-mounted insert box type, 3U |
| Terminal | M6 |
| Cooling | Natural convection |
| Protection Degree | IP20 |
| Communication | CAN/RS485 (Optional) |
| Operating Environment | |
| Storage temperature | -30°C~60°C |
| Charging temperature | -10°C~50°C |
| Discharge Temperature | -20°C~50°C |
| Humidity | 0%~95% Non-condensation |
| Operating Environment | Indoor |
| Certifications | |
| Certifications | UN38.3, RoHS, CE, MSDS |

The battery cycle life is measured under laboratory conditions at 25°C, while the actual life span is determined by the battery temperature during actual use. Specifications are subject to change without advance notice.