

ENERGY STORAGE BATTERY SOLUTION

Energy storage battery
51.2V/314Ah



Product Highlight

- With smart BMS system.
- High discharge current, strong load impact resistance.
- 5U 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

BM160S048XN Parameters

MODEL	BM160S048XN
Battery	
Cell Material	Lithium Iron Battery
Cell Rated Capacity	314Ah
Battery Voltage	51.2V
Battery Capacity	16076Wh
Operation Voltage range	44.8~57.6V
Max Continuous Discharge Current	200A
Standard charging current	157A
Max Continuous Charge Current	200A
Battery Standard Cycle Life	≥6000 cycles@80%SOH
Protection Features	Overcharge protection , Overdischarge protection , Overcurrent protection , Shortcircuit protection , Overtemperature protection
General Parameters	
Display	LED indicator light / LED (Optional)
DimensionW*D*H(mm)	483*786*223
Weight(NW Kg)	About 120Kg
Chassis installation method	Rack-mounted insert box type, 5U
Terminal	M10
Cooling	Natural convection
Protection Degree	IP20
Communication	CAN/RS485 (Optional)
Operating Environment	
Storage temperature	-40℃~60℃
Charging temperature	-10℃~50℃
Discharge Temperature	-20℃~50℃
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℃, while the actual life span is determined by the battery temperature during actual use. Specifications are subject to change without advance notice.