

ENERGY STORAGE BATTERY SOLUTION

Energy storage battery
51.2V/230Ah



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

BM120S048XN Parameters

MODEL	BM120S048XN
Battery	
Cell Material	Lithium Iron Battery
Battery Voltage	51.2V
Battery Capacity	11776Wh
Operation Voltage range	44.8~57.6V
Max Continuous Discharge Current	200A
Standard charging current	115A
Max Continuous Charge Current	200A
Battery Standard Cycle Life	≥4500 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)	640*483*220
Weight(NW Kg)	About 88Kg
Chassis installation method	Rack-mounted insert box type, 5U
Terminal	M8
Cooling	Natural convection
Protection Degree	IP20
Communication	CAN/RS485 (Optional)
Operating Environment	
Storage temperature	-30℃~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.