

# ENERGY STORAGE BATTERY SOLUTION

Energy storage battery  
51.2V/100Ah



## Product Highlight

- With smart BMS system.
- High discharge current, strong load impact resistance.
- Grade A Lithium Iron Phosphate Battery, Superior safety and reliability.
- Wall-mounted installation design, space-saving, easy to install, and flexible for expansion.
- 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.

## BM051W48 Parameters

MODEL	BM051W48
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)	458*605*158
Weight(NW Kg)	44
Chassis installation method	Wall-mounted
Terminal	M6
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.