

BM512

Low Voltage Battery Module



High Security

Use LiFePO4 battery cell to ensure higher safety and longer cycle life.



Powerful Scalability

It can be flexibly expanded according to specific application scenarios.



The 51.2V battery module can be used as a basic module for backup power and residential energy storage. The module includes an intelligent control system with RS485 and CAN communication interfaces, which can be flexibly expanded in parallel and supports standard cabinet installation.

Model	BM512
Battery	
Battery Type	LFP
Usable Capacity	5.12kWh
Nominal Voltage	51.2V
Operating Voltage Range	44.8V ~ 57.6V
Rated. Charging / Discharging Current	50A
Max. Charging / Discharging Current	100A
Depth of Discharge (DoD)	90%
Cycle Life	6000 Times *
Communication	
Communication	CAN, RS485
General Specification	
Dimension (W*D*H)	468*429*190mm
Weight	49±1kg
IP Protection	IP20
Operating Temperature	Charging: 0°C ~ 55 °C; Discharging: -20°C ~ 55°C
Storage Temperature	-20°C ~ 55°C
Cooling	Natural Heat Dissipation
Relative Humidity	0% ~ 95% RH
Max. Operating Altitude	3000m
Compatible Inverters	Megarevo / Deye / Growatt / Ginlong
Standard & Certification	
Transport Testing Requirement	UN38.3
Safety	IEC62619, IEC60730
EMC	CE-EMC EN 61000-6-1 / -3

* @25°C, 0.5C Operating, 90% DoD

Product adapts to multiple brands of inverters, feel free to contact sales if any.

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