



Residential Battery Module

BMV Series

Application

Solar storage system, UPS power bank,
Inverter power bank, Railway power bank,
Telecommunication power system,
Medical electronics, Commercial finance,
Security communications,
Transportation logistics, etc.



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Residential Battery Module

BMV51.2-5/BMV51.2-10/BMV51.2-15/BMV51.2-20

Main Features

- Elegant and Stylish, floor-mounted installation.
- LFP rechargeable battery .
- Compatible with different brand of solar inverter and chargers.
- Extremely long life cycle, more than 6000 times or 10 years.
- Built-in protection for over-charge, over-discharge, over-current, short-circuit, and thermal runaway detection.
- Stack type case for convenient extendibility, 5kWh each, easy extend to 10kWh/15kWh/ /20kWh

Technical Parameter

MODEL	BMV51.2-5	BMV51.2V-10	BMV51.2-15	BMV51.2-20
Battery Type	LiFePO4 (CATL Cell)	LiFePO4 (CATL Cell)	LiFePO4 (CATL Cell)	LiFePO4 (CATL Cell)
Normal Battery Model	51.2V100Ah*1	51.2V100Ah*2	51.2V100Ah*3	51.2V100Ah*4
Normal Capacity(25°C, 0.2C)	5120Wh	10.24KWh	15.36KWh	20.48KWh
Voltage window (Vdc)	44.8~58.4V	44.8~58.4V	44.8~58.4V	44.8~58.4V
Fast Charge Voltage(Vdc)	57.6V	57.6V	57.6V	57.6V
Folat Charge Voltage(Vdc)	56.0V	56.0V	56.0V	56.0V
Low DC Cut-off Voltage(Vdc)	46.8V	46.8V	46.8V	46.8V
Max.continue discharge current (A)	100	200	300	400
Max.pulse discharge current (A)	150A 1Sec.	300A 1Sec.	450A 1Sec.	600A 1Sec.
Max.continue charge current (A)	50	100	150	200
Cycle life(+25°C0.2C 100%DOD)	>6000 Cycles			
Terminal	Double M8			
Storage temperature	0°C~30°C			
Storage duration	6 months at 25°C			
Safety standard	UN38.3,MSDS			
IP degree	IP20			
Communication function	RS485/CAN(Communication protocol supported inverter brand: Deye, Growatt, Voltroni, GOODWE, VICTRON, PYLONTEC, SMA, SOFAR)			
PROTECTION				
Protection	Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection			
AMBIENT				
working Temperature	-10°C~+50°C			
Humidity	0~95% (no condensation)			
Sea Level(m)	≤1500			
DIMENSION				
LxWxH (Case base size) mm	830*422*95mm (7.0Kg)			
LxWxH (Case base package size)mm	842*434*107mm (7.5Kg)			
LxWxH (products size) mm	830*445*192mm(no case base)*1	830*445*192mm(no case base)*2	830*445*192mm(no case base)*3	830*445*192mm(no case base)*4
LxWxH (package size) mm	882*489*249mm(UN carton)*1	882*489*249mm(UN carton)*2	882*489*249mm(UN carton)*3	882*489*249mm(UN carton)*4
System Weight(NW Kg)	54.0Kg * 1	54.0Kg * 2	54.0Kg * 3	54.0Kg * 4
System Weight(GW Kg)	59.0Kg * 1	59.0Kg * 2	59.0Kg * 3	59.0Kg * 4
20FT QTY(UNIT)	272	136	90	68