

Rack Mounted Battery Module

BMR series



RACK MOUNTED BATTERY MODULE

BMR series Battery Modules are high-performance, scalable, battery storage solutions. The built-in intelligent BMS can protect the battery pack and extend its service life. The modular design allows for flexibility, making it suitable for a broad range of storage applications.

For More about Unipower range of products, visit: www.svcenergy.com

MAIN FEATURES

- ▶ Cells cycle times 6000 cycles(+25% C 0.2C 80% DOD).
- ▶ Long lifespan: 5 years warranty, 10 years life design.
- ▶ 3U/4U rack-mount chassis design is easy for parallel expansion and maintenance.
- ▶ Smart BMS system to optimize the performance.
- ▶ Communication: RS485/SNMP/Wifi/Bluetooth, Compatible with different brand of solar inverter and chargers.
- ▶ All around protection: such as SOC/SOH etc..
- ▶ High discharge rate currents, suitable for on-grid or off- grid solar system and other loads.
- ▶ Maximum of 16 battery packs can be connected in parallel.
- ▶ With front display to know effectively the status of the batteries.

Technical Parameter

Model	BMR24-100	BMR48-100	BMR24-200	BMR48-200
SPECIFICATION				
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Model	25.6V100AH	51.2V100AH	25.6V200AH	51.2V200AH
Nominal Capacity(25°C, 0.2C)WH	2560Wh	5120Wh	5120Wh	10240Wh
Adjustable working voltage(Vdc)	20 ~ 29.2V	40 ~ 58.4V	20 ~ 29.2V	40 ~ 58.4V
Max.Continuous discharge current(A)	100		100(normal)/200(optional)	
Max.pulse discharge current(A)	150A (1 sec)configurable		150A/300A(1 sec)configurable	
Max.Continuous charge current(A)	100		100(normal)/200(optional)	
Cycle life(+25°C 0.2C 80% DOD)	> 6000 Cycles			
Cell Equalizer Current	yes			
Terminal	M8			
Parallel	Up to 16pcs			
Safety standard	IEC62619,UN38.3,MSDS			
Communication function	RS485/CAN/RS232(Standard), SNMP/Wifi/Bluetooth/Dry Contact (optional)			
Communicate with mainstream inverter	Growatt/Voltronic/GOODWE/Pylontech/Kstar/MUST etc.			
PROTECTION				
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection			
AMBIENT				
Noise(dB)	< 40dB(1 meter)			
Working temperature	-20°C ~ +60°C			
Humidity	0~ 95%(no condensation)			
Altitude(m)	<3000			
DIMENSION				
L*W*H(product size)mm	L329.5*W443*H133.5	L490*W443*H133.5	L490*W443*H133.5	L810*W483*H178
L*W*H(package size)mm	L400.5*W490*H198.5	L560*W490*H198.5	L560*W490*H198.5	L920*W523*H243
Net Weight(Kg)	24.15	42.45	42.45	79.3
Gross Weight(Kg)	25.95	44.65	44.65	82.6

Additional Features (optional feature) LCD Display