



Rack Mounted Lithium LiFePO4 Battery

BMR series



MAIN FEATURES

- ▶ Long lifespan: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.

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

Technical Parameter

Model	BMR 24-100	BMR 24-200	BMR 48-100	BMR 48-200
SPECIFICATION				
Battery Type	LiFePO4	LiFePO4	LiFePO4	L iFePO4
Battery Model	25.6V100AH	25.6V200AH	51.2V100AH	51.2V200AH
Nominal Capacity(25℃, 0.2C)WH	2560Wh	5120Wh	5120Wh	10240Wh
Adjustable working voltage(Vdc)	20 ~ 29.2V	20 ~ 29.2V	40 ~ 58.4V	40 ~ 58.4V
Max.Continuous discharge current(A)	100	200	100	200
Max.pulse discharge current(A)	150(1 sec) configurable	300(1 sec) configurable	150(1 sec) configurable	300(1 sec) configurable
Max.Continuous charge current(A)	100	200	100	200
Cycle life(+25℃ 0.2C 80% DOD)	10+ years life design	10+ years life design	10+ years life design	10+ years life design
Cell Equalizer Current(A)	0.1 ~ 5A Max.(optional)			
Terminal	M8			
Storage duration	6 months at 25℃			
Safety standard	IEC62619,UN38.3,MSDS,CE			
Communication function	RS232/CAN/RS485(Standard), Wifi/Bluetooth (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℃ ~ +60℃			
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	84.2
Gross Weight(Kg)	25.95	44.65	44.65	106

Additional Features (optional feature) LCD Display