

Rack Mounted Lithium LiFePO4 Battery

BMR Series



Smart BMR Series RACK MOUNTED LITHIUM LiFePO4 BATTERY

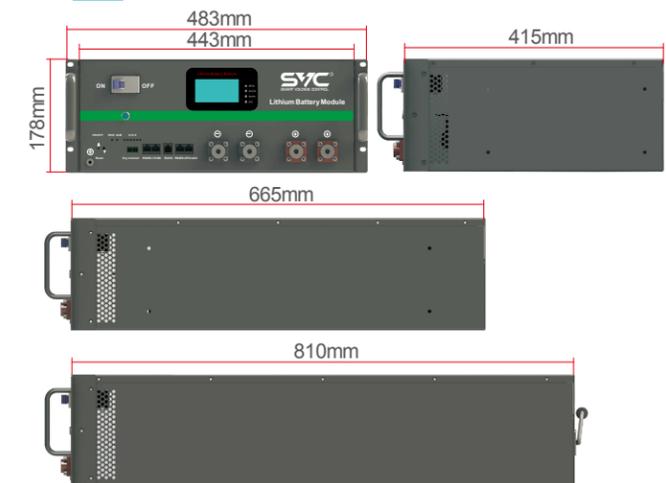
Smart BMR series LiFePO4 battery is a high-tech product developed for the requirements of new backup power supply. Built-in intelligent BMS to protect the battery pack at any time and prolong its service life, modular design enables parallel installation for larger power back up.

For More about Unipower range of products, visit:
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Main Features

- ▶ Cells cycle times 6000 cycles(+25°C 0.2C 80% DOD).
- ▶ Long lifespan: 5 years warranty, 10 years life design.
- ▶ 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.

Drawing



Technical Parameter

Model	LFP24-100	LFP48-100	LFP48-200
Specification			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Model	25.6V100AH	51.2V100AH	51.2V200AH
Nominal Capacity(25°C, 0.2C)WH	2560Wh	5120Wh	10240Wh
Adjustable working voltage(Vdc)	22.4 ~ 29.2V	42 ~ 54.8V	42 ~ 54.8V
Folat Charge Voltage(Vdc)	28V	56V	56V
Max.Continuous discharge current(A)	100	100	100
Max.pulse discharge current(A)	150A(1 sec) configurable		
Max.Continuous charge current(A)	100	100	100
Cycle life(+25°C 0.2C 80% DOD)	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles
Cell Equalizer Current(A)	0.1 ~ 5A Max.(optional)	0.1 ~ 5A Max.(optional)	0.1 ~ 5A Max.(optional)
Terminal	M6		
Storage duration	6 months at 25°C		
Safety standard	IEC62619, UN38.3, MSDS, CE		
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	L444*W483*H178	L665*W483*H178	L810*W483*H178
L*W*H(package size)mm	L523*W495*H243	L770*W523*H243	L920*W523*H243
Net Weight(Kg)	27.1	47.8	79.3
Gross Weight(Kg)	28.9	49.8	82.6

Additional Features (optional feature) LCD Display