

Battery Module Specifications

Model	SOL-BM-240	SOL-BM-355	SOL-BM-512
Basic Parameters			
Cell Type	Lithium Iron Phosphate (LiFePO4)		
Nominal Voltage	48V	48V	51.2V
Nominal Capacity	2.4kWh	3.55kWh	5.12kWh
Usable Capacity	2.28kWh	3.37kWh	4.92kWh
Cycle Life	8000 cycles		
Charge Current	Recommend: 25A Max.:40A	Recommend: 37A Max.:50A	Recommend: 50A Max.:70A
Discharge Current	Recommend: 25A Max.:50A	Recommend: 37A Max.:70A	Recommend: 50A Max.:100A
Peak Discharge Current	50~89@60sec 90~200@15sec	74~89@60sec 90~200@15sec	100~120A@5min, 150A@15sec
Operation Temperature	Charge: 0 to 50°C Discharge: -10 to 50°C		
Storage Temperature	-10 to 40°C		
Design life	15 Years		
Cooling type	Passive cooling		
IP rating	IP20		
Dimension(W*H*D)	442*89*410mm	442*132*410mm	482*133.5*460mm
Weight	~22.5kg	~32kg	~46kg
Communication Port	RS485, CAN		
No. of units in Parallel	16 in parallel		
Relative Humidity	5% ~ 95%(RH) No Condensation		
Altitude(M)	<4000		
Installation	Wall mounted/Floor mounted		
Certifications	UL1642/ IEC62619 /ICE63056/ICE61000-6-2/UN38.3		