

## Main Features

- ▶ Cells cycle times 6000 cycles(+25°C 0.2C 80% DOD).
- ▶ Long lifespan: 10 years + life design.
- ▶ Unique, Elegant and Powerful.
- ▶ Smart BMS system to optimize the performance.
- ▶ Communication: RS485/CAN/SNMP/Wifi/Bluetooth,Compatible with different brand of solar inverter and chargers (optional).
- ▶ 360 degree protection: such as SOC/SOH/ Anti-theft function etc..
- ▶ High discharge rate currents, suitable for on-grid or off-grid solar system and other loads.
- ▶ With front display panel for easy access to status of the batteries.



RESIDENTIAL BATTERY MODULE

## Technical Parameter

Model	PBM-48100	PBM-48200
<b>Specifications</b>		
Battery Type	LiFePO4	
Nominal Battery Voltage	51.2V	
Nominal Capacity (25°C,0.2C)Wh	5120Wh	10240Wh
Operating Voltage (Vdc)	44.8 ~ 58.4V	
Recommended Charge Current(A)	50A	100A
Max. Charge/ Discharge Current(A)	100A	
Peak Discharge Current(A)	150A(100mseg) configurable	
Battery pack round trip efficiency	> 95%	
Depth Of Discharge	100%	
Cycle Life (+25°C 0.2C 80%EOL)	6000 Cycles	
Communication function	RS485/CAN(Standard),SNMP/Wifi/Bluetooth(Optional)	
Display	LED* 5 (LCD Display optional)	
Scalability(Parallel)	Upto 16	
Cooling Method	Natural Convection	
Installation Location	Indoor	
<b>Safety &amp; Protection</b>		
IP degree	IP20	
Safety standard	UN38.3,MSDS,CE	
Protection	Overcharge protection\Over-discharge protection\Overcurrent protection\Shortcircuit protection\Overtemperature protection	
<b>Ambient</b>		
Noise Emission(dB)	< 40dB(1 meter)	
Operating temperature	-10°C ~ +50°C	
Storage temperature	-20°C~55°C	
Humidity	0 ~ 95%(no condensation)	
Altitude (m)	<3000	
<b>Physical</b>		
Product Dimensions (L*W*H)(mm)	451*246*648.5	575*303*883
Product Weight(kg)	58	122

Product specifications are subject to change without notice.