



ALL-IN-ONE

10KWH stackable home energy storage system

LiFePO4 51.2V 200Ah



Light weight

Compact size easy Installation



Wall mounted design

No longer worry about limited floor space usage



Smart display

The battery usage and status can be seen intuitively



≥ 6000 Cycles

Longer cycle life



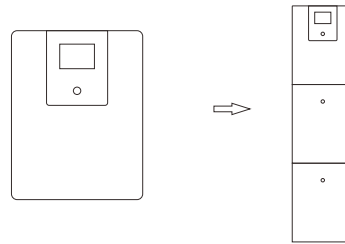
BMS system

Built in BMS system ensures battery safety



Easy to install

Easy installation plug and play fuse protection

Technical Data
PB02-200AH

Performance parameters

Phase Number	Specification
Output Power	3KW-5KW Optional
Rated voltage	51.2V
Rated Capacity	200AH
Continuous Discharge Current	100A
Peak Discharge Current	110A/10S
Standard Charging Current	50A
Fast Charge Current	100A
Number Of Expandable Batteries	2~15
Optional Capacity Range	10.24~76.8KWH
Cooling Method	Self-Cooling
Battery Type	Lithium Iron Phosphate
Use Period	> 15 Years@25°C
Cycle Life	≈6000 times
Rated Grid Frequency	50HZ/60HZ Auto Detect
Grid Voltage Range	230V(170Vac~280Vac) ±2% 110V(90Vac-280Vac)±2%
PV maximum Input Power	4200W
MPPT Voltage Range	60-115Vdc
The charging and discharging efficiency of the whole machine	>92%
Battery Voltage Range	40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm/ shutdown voltage / over voltage alarm / over voltage recovery... LCD screen can be set)
Warranty	Battery (5 years) Inverter (1 year)
Compatible parameters	
Battery certification	CE, UN38.3, MSDS, Shipping, Dangerous Package
Mechanical parameters	
Inverter size/weight	420*180*550mm/19KG
Battery size/weight	420*180*510mm/50KG(single layer)
Chassis size/weight	420*180*30mm/2KG
Installation method	Stacked
Environmental parameters	
Storage Humidity Range	≤85%RH
Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity
Waterproof	IP21

1: Test conditions:25 °C, 100 % depth of discharge (DOD), 0.2C charge&discharge
 2: Refer to battery warranty letter for conditional application