

# ALL-IN-ONE

Built in inverter solar energy storage system  
PB02LV 10/15/20/25kWh

Low voltage LFP battery




 Stacking Design

 Inverter


 ≥ 6000 Cycles

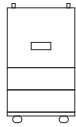
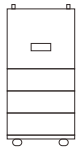


 Pulley Design

 Easy to install

 Wifi

 BMS System

 Safe and green

Technical Data	10KWH	15KWH	20KWH	25KWH
	 2 modules	 3 modules	 4 modules	 5 modules
<b>Performance parameters</b>				
Phase number	Split Phase			
Output power	5KW/6KW/ 8KW/ 10KW/ 12KW Optional			
Rated voltage	51.2V	51.2V	51.2V	51.2V
Rated capacity	200AH	300AH	400AH	500AH
Continuous discharge current	100A	100A	100A	100A
Peak discharge current	110A/10S	110A/10S	110A/10S	110A/10S
Standard charging current	50A	50A	50A	50A
Fast charge current	100A	100A	100A	100A
Number of expandable batteries	2~15	2~15	4~15	2~15
Optional capacity range	10.24~76.8KWH	15.36~76.8KWH	20.48~76.8KWH	25.6~76.8KWH
Cooling method	Self-Cooling			
Battery type	Lithium Iron Phosphate			
Design lifespan	> 15 Years@25°C			
Cycle life	≥6000 cycles DOD 85%			
Rated grid frequency	50Hz/60Hz Auto Detect			
Grid voltage range	104V-110V-U5V-120Vac, 208V-220V-230V-240Vac) ±10% RMS			
PV Maximum input power	5000W			
MPPT voltage range	60-115VDC			
Charging and discharging efficiency	>98%			
Battery voltage range	Default@load<20%: 42.0V;@20%<load<50%:40.8V; @load.50%: 38.4V (Based on program 21,40Vdc-48Vdc settable)			
Warranty	Battery (5 years), Inverter (2year)			
<b>Compatible parameters</b>				
Battery certification	CE,UN38.3, MSDS, Dangerous Package Shipping Doc.			
Cell certification	CE,UL,IEC 62109-1&-2, IEC 62477,EN61000,UN38.3			
<b>Mechanical parameters</b>				
Inverter size/weight	602*403*650mm/76KG	602*403*650mm/76KG	602*403*650mm/76KG	602*403*650mm/76KG
Battery size/weight	L602*W403*H200mm/55KG(single layer)			
Chassis size/weight	602*403*124mm/12KG			
Installation method	Stacked			
<b>Environmental parameters</b>				
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