

ALL-IN-ONE

Built in inverter solar energy storage system

PBLV 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
Performance parameters				
Phase number	Single-Phase			
Output power	3KW/5KW 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	3~15	4~15	5~15
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	> 15Years@25°C			
Cycle life	≥6000cycles DOD 85%			
Rated grid frequency	50Hz/60Hz Auto Detect			
Grid voltage range	110V(90VAC~280VAC)±2%, 230V(170VAC~280VAC)±2%			
PV Maximum input power	5000W			
MPPT voltage range	60-115VDC			
Charging and discharging efficiency	>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)			
Compatible parameters				
Warranty	Battery (5 years), Inverter (1 year)			
Battery certification	CE,UN38.3, MSDS, Dangerous Package Shipping Doc.			
Mechanical parameters				
Cell certification	CE,UL,IEC 62109-1&-2, IEC 62477,EN61000,UN38.3			
Inverter size/weight	L602*W403*H139mm/25KG			
Battery size/weight	L602*W403*H200mm/55KG(single layer)			
Chassis size/weight	602*403*124mm/12KG			
Installation method	Stacked			
Environmental parameters				
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