



Backup Energy Storage



Stackable Massive Capacity



Recharge With Solar Energy



Safest LiFePO4 Battery



Compatible With Most Market Inverters

Residential ESS

Stackable Type

FEATURES

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- Uses large capacity, high reliability LFP Cells
- High Voltage support to reduce the power loss
- Support multi-machine parallel connection and CAN/RS232 protocols
- Support most of the market inverter scheme
- Simple and reliable installation
- Stackable type, can expand energy from 10.24kwh to 51.2kwh
- Customized appearance is available

GENERAL PERFORMANCE

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Model No.	PLBEP5000
Battery Module	2-10 Batteries Module Series
Nominal Capacity	100Ah
Energy Capacity (KWh)	5.12Kwh/Battery
Norminal Voltage	51.2V/Battery
Operating Voltage Range	49.8-58.4V/Battery
Battery Type and Chemistry	LFP Prismatic
Max. Charge/Discharge Current	50A
Battery Pack Round-Trip Efficiency	>95%
Cycle Life	>6000, @25°C
IP Protection	IP54

MECHANICAL

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Demension(L*W*Hcm)	68*40*18cm/Battery, 68*40*18cm (Cotroller)
Weight(kg)	50kg/Battery, 21kg (Controller)

OPERATING CONDITIONS

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Operating Temperature	Charge: 0°C~55°C Discharge: -20°C~60°C
Storage Temperature	-10°C~50°C
Altitude	Max. 2000m

WARRANTY & MAINTENANCE

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Warranty	5 years
Life Span	>10 years

COMMUNICATIONS

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Communication	CAN/RS232
Display	LED/Display Screen(Optional)
Battery Protection	Over-Current, Over-Voltage, Short Circuit, Under-Voltage, Over Temperature

INSTALLATION

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Enclosure	Floor-Mountable
Optimum Location	Indoor/Outdoor
Ambient Temperature Requirement	0°C~35°C
Relative Humidity Requirement	40%~60%

