



Backup Energy Storage



Outage Protection



Recharge With Solar Energy



Safest LiFePO4 Battery



Compatible With Most Market Inverters

# Residential ESS

## Wall-Mounted Type

### FEATURES

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- Uses large capacity, high reliability and long life LFP Cells
- Function modularized automatic identification, support multi-machine parallel connection
- Support RS485 & CAN protocols
- Support most of the market inverter scheme
- Simple and reliable installation
- Support upmost 8pcs module in parallel
- Customized appearance is available



## GENERAL PERFORMANCE

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Model No.	PLB48100-L(W)
Nominal Capacity	100Ah
Battery Type and Chemistry	LFP Prismatic
Norminal Voltage	51.2V
Operating Voltage Range	44.8~58.4V
Energy	5.12KWh
Standard Charge/Discharge Current	50A
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A
Peak Current	150A $\leq$ 5s

## OPERATING CONDITIONS

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Operation Temperature	Charge: 0°C~55°C Discharge: -20°C~60°C
Storage Temperature	-10°C~50°C

## WARRANTY & MAINTENANCE

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Warranty	5 years
Life Span	>10 years
Cycle Life	>6000, @25°C
Maintenance	No maintenance required subject to installation environment

## COMMUNICATIONS & SMART FEATURES

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Communication	CAN/RS485
Battery Protection	Over-Current, Over-Voltage, Short Circuit, Under-Voltage, Over Temperature
Configuration Options	Up to 8 sets Batteries Pack Module Parallel

## INSTALLATION

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Optimum Location	Indoors and ground-level
Ambient Temperature Requirement	0°C~35°C, well ventilated
Relative Humidity Requirement	40%~60% relative humidity
Location Constraints	Must be a weatherproof and well-ventilated space

## MECHANICAL

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Enclosure	Wall-Mountable
Dimensions	H657*W505*D180mm
Weight(kg)	$\approx$ 55kg

