

LITHIUM ION BATTERIES

PV ENERGY STORAGE SYSTEM




48V

12.8kWh/15.36kWh



Household appliances

Free electricity



Clean energy

Using sunlight to achieve clean energy charging can supply power to household appliances.



Storing energy

Realize the freedom of electricity consumption in the area where there is no electricity and less electricity.



LiFePO₄ Battery Pack

- In areas without electricity, it can be charged by solar panels during the day, its stored electricity can be used at night to provide electricity for lighting or other appliances;
- In areas where the electricity price is high, this product can be used to store electricity at valley hours for the use of electricity at peak hours.
- Easy to install; energy-saving and environmentally friendly; can reduce the electricity costs; long service life.



Over-charge
Protection



Over-discharge
Protection



Charging Overcurrent
Protection



High Quality
Chip

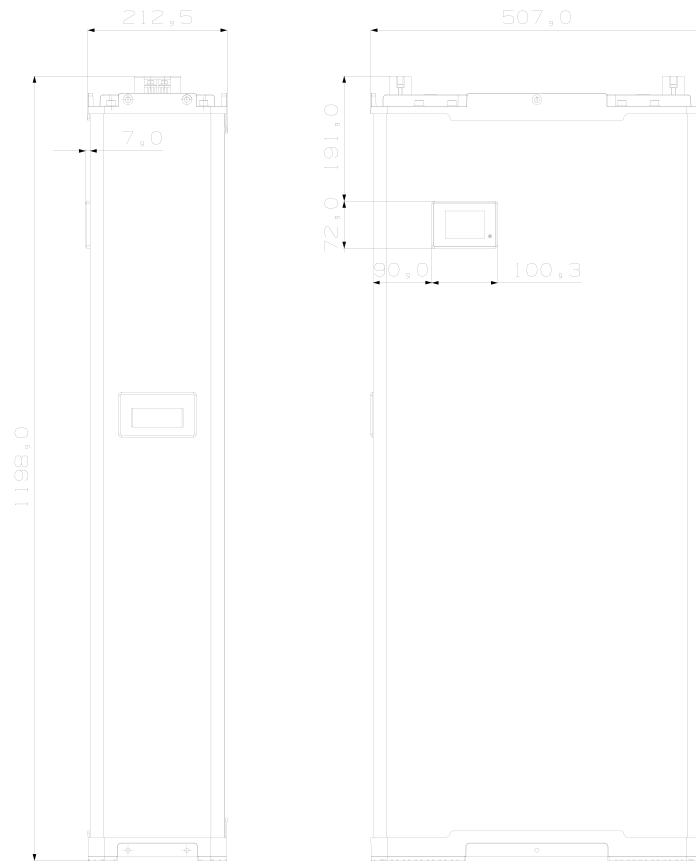


Short Circuit
Protection



Temperature
Protection

Technical Parameters



» Basic Specifications

Nominal Capacity	250Ah/300Ah
Nominal Voltage	48V(51.2V)
Electricity(kWh)	12.8kWh/15.36kWh
Rated Current	100A

» Other

Certification Standards	UN38.3/CE/MSDS/DGM
Parallel	Up to 15 pcs

» Basic Specifications

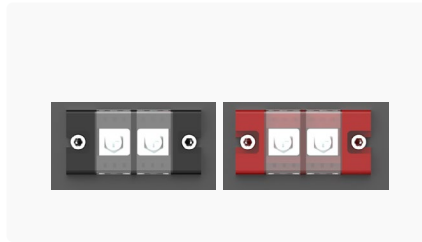
Communication interface	RS485/CAN
Storage Temperature Range	-10-30°C
Operating Temperature Range	0°C-50°C
Storage Humidity	5-95%RH
Atmospheric Pressure	Below the elevation of 5000m
Self-Discharge(25°C)	<3%/Month
Depth of Discharge	>80%
C-rate Discharge	<0.8C
Cycle Life	>6000 Times (<0.5C)

Product advantages 1



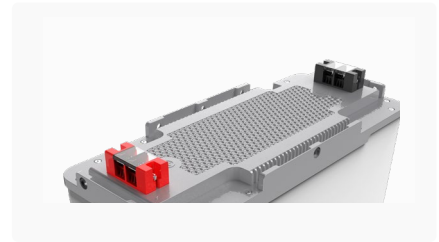
LiFePO₄ battery

Stable discharge, long cycle life, safe and environmental protection, high safety performance.



Binding post

Insulated flame retardant, fast and efficient.

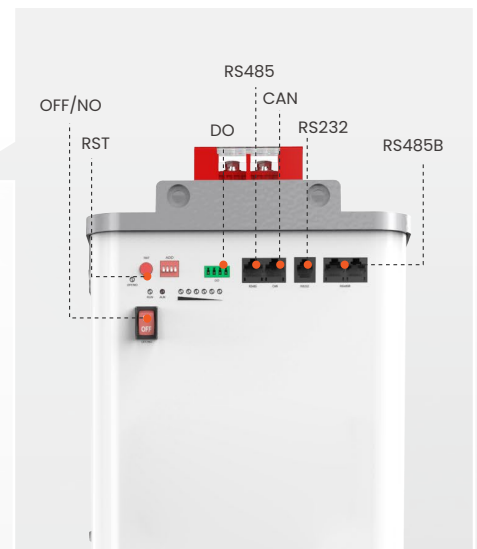


High quality aluminium magnesium alloy

Anti-corrosion, substantial, durable, artistic, practical.

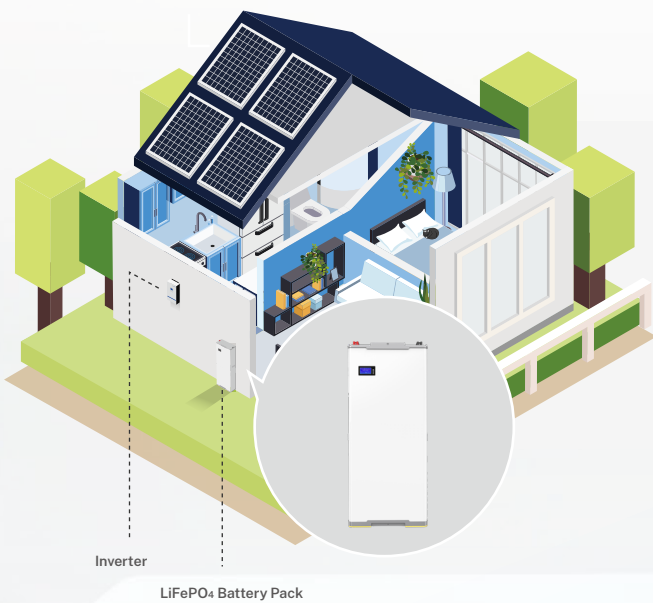
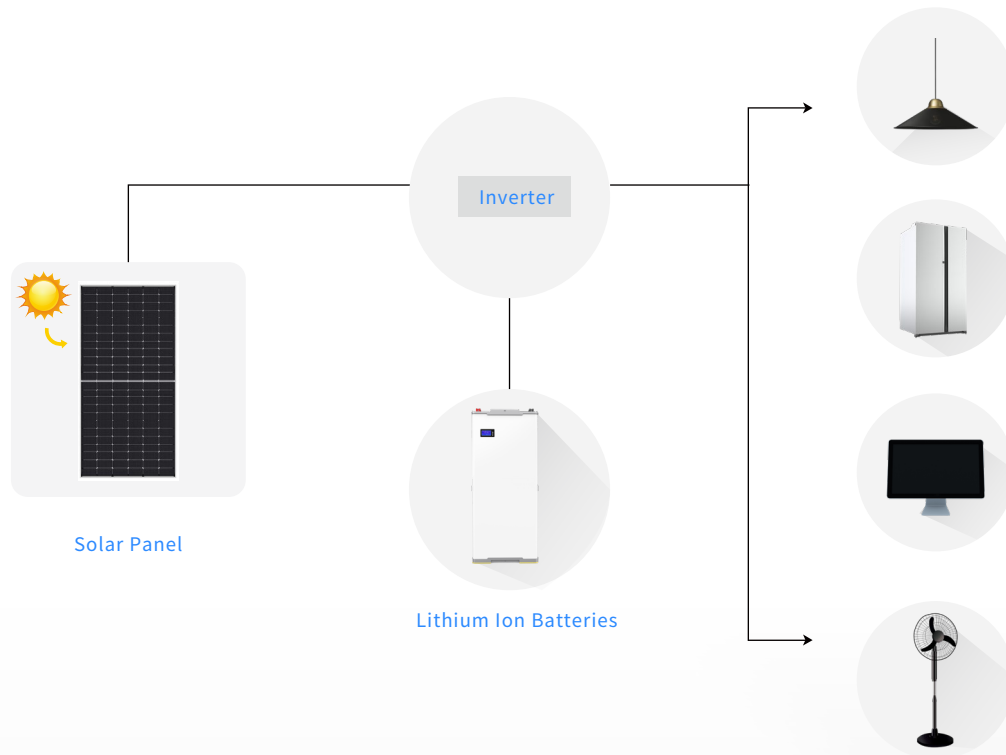
Segmented Display

Observe the power usage at any time.



Up to **15** groups can be connected in parallel

Product advantages 2



Storing the power from the solar panel, to be used as reserve power or emergency power supply.



At night or at the time of power outage, it can supply the power to electrical appliances by using the stored energy, to avoid the inconvenience caused by power outage, so that you can calmly deal with the situation of power outages.

Application scenario

