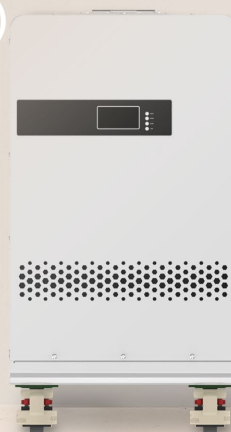
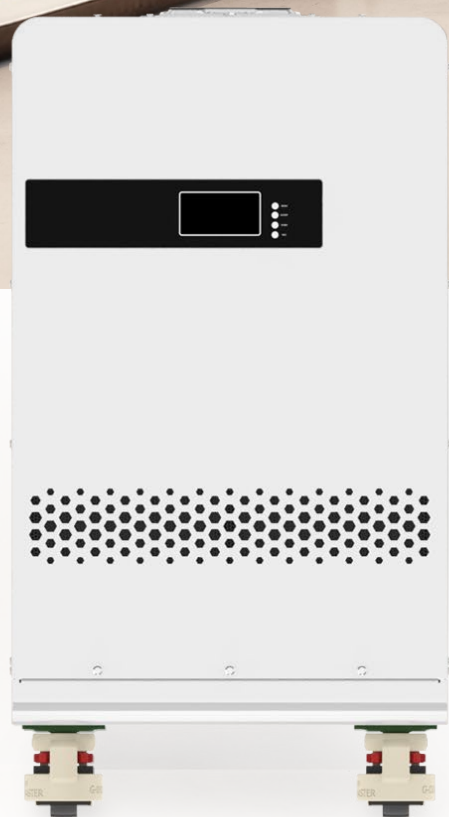


Blue Carbon

LITHIUM BATTERY

PV ENERGY STORAGE SYSTEM

Model: Smart-BCT-X-48-250/300(P)



48V

12.8kWh/15.36kWh

5-YEAR
WARRANTY



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.



Application Scenario

- 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.



Charging Overvoltage Protection



Charging Overcurrent Protection



Short Circuit Protection

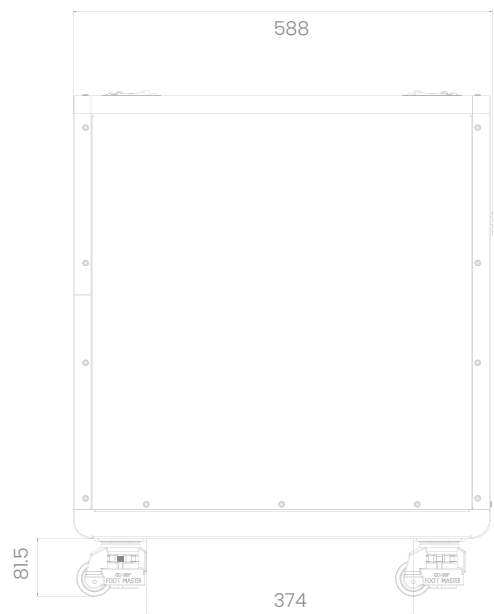
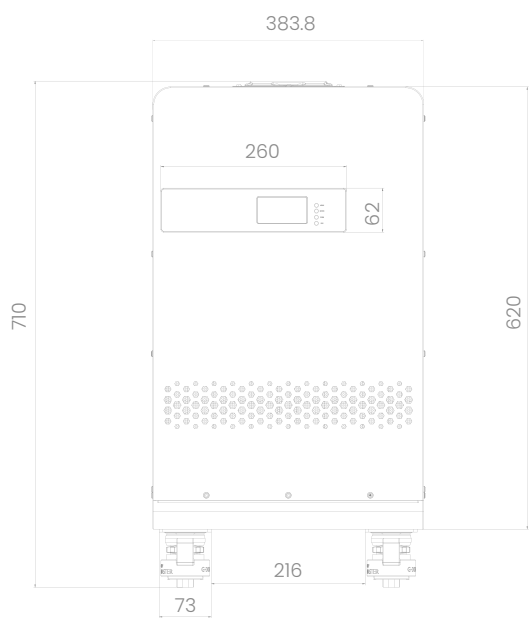


Temperature Protection

Product Display



Product Configuration



Model: Smart-BCT-X-48-250/300(P)

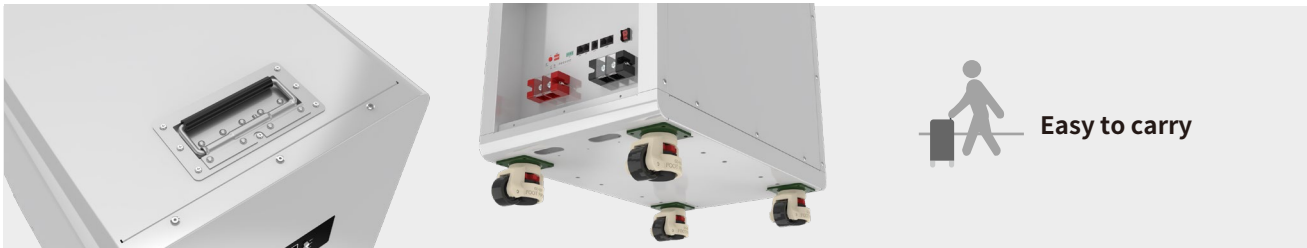
Basic Specifications

Cell Type	LiFePO ₄ Battery/LFP
Nominal Capacity	250/300Ah
Nominal Voltage	48V (51.2V)
Electricity(kWh)	12.8/15.36kWh
Continuously UseInput Current	100A
Other	
Certification Standards	UN38.3/CE/MSDS/DGM
Warranty	5 Years
Product Size	383.8(±2)×710(±2)×588(±2)mm

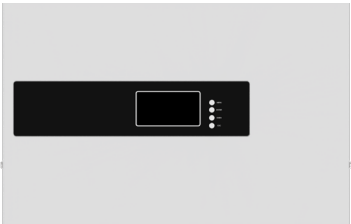
Basic Specifications

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

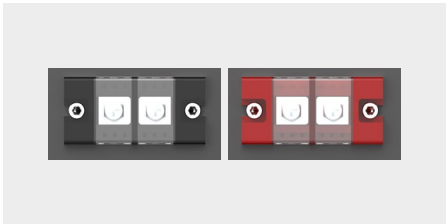
Product advantages 1



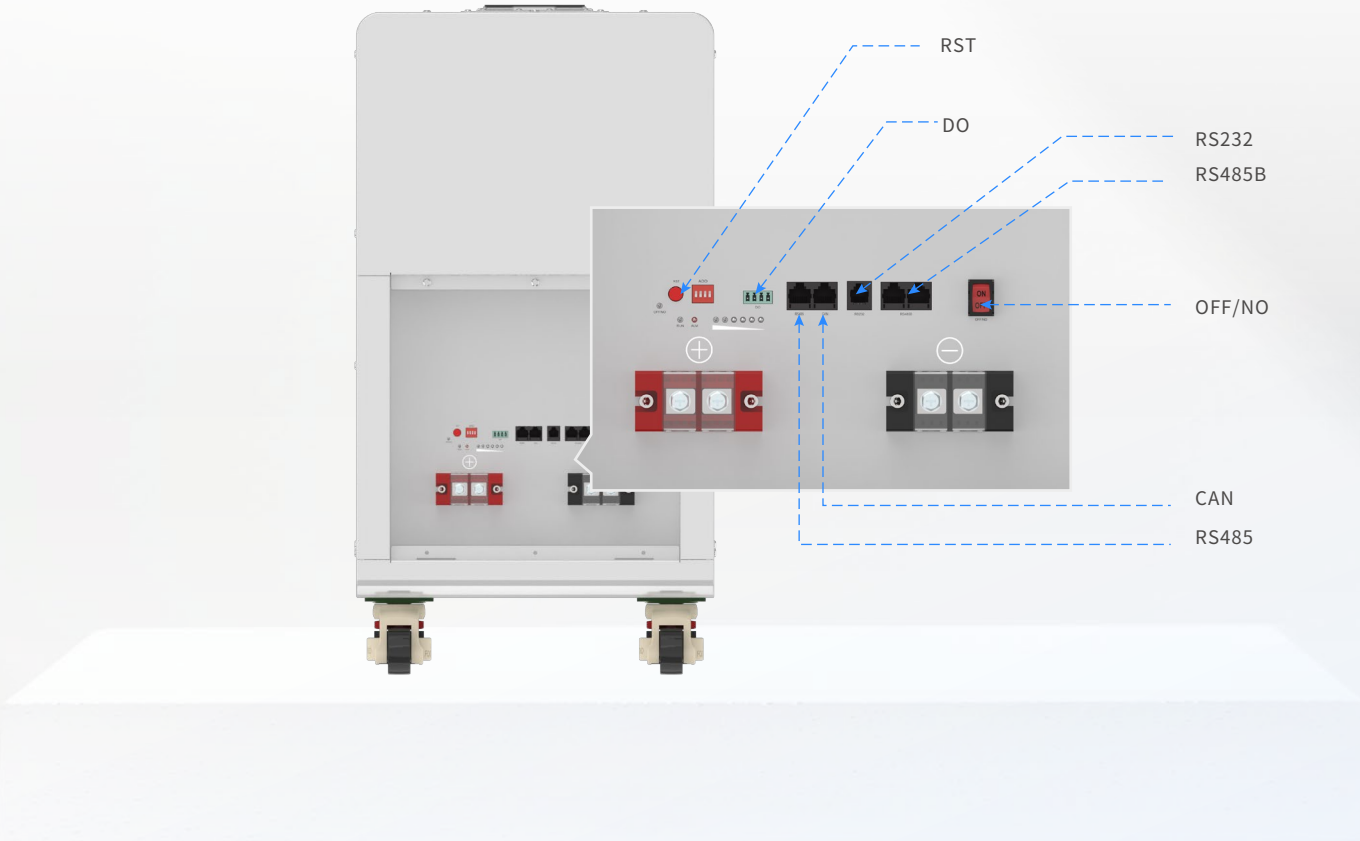
LiFePO₄ battery
Stable discharge, long cycle life, safe and environmental protection, high safety performance.



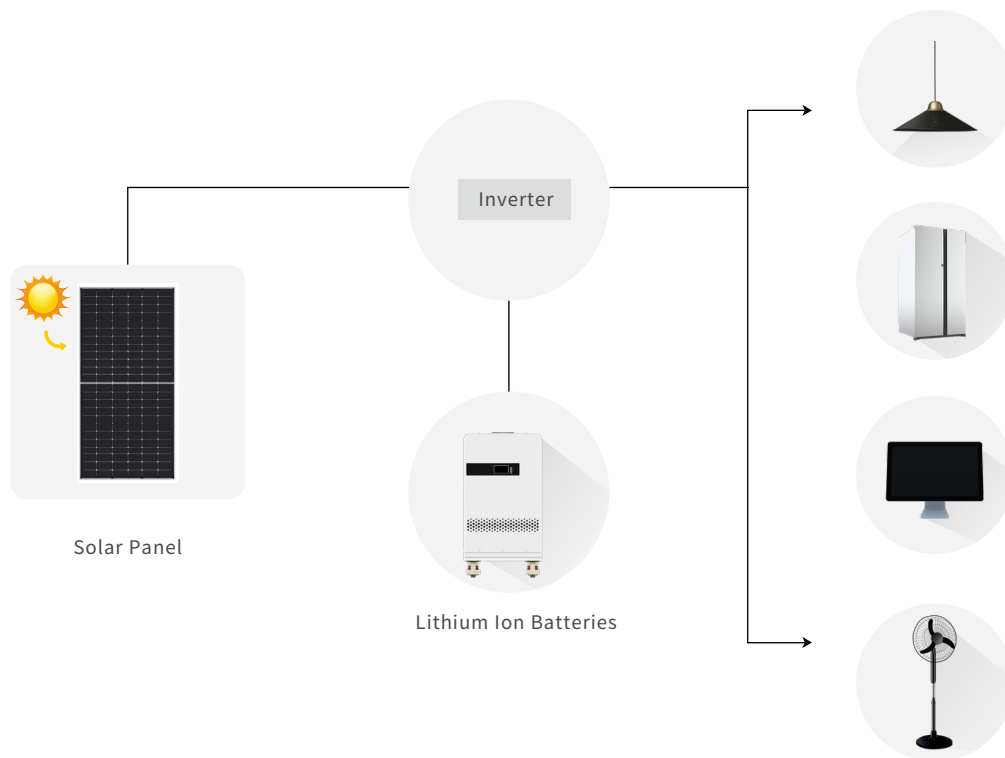
LED Display
Observe the power usage at any time.



Binding post
Insulated flame retardant, fast and efficient.



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.

