Blue Carbon

LITHIUM ION BATTERIES

PV ENERGY STORAGE SYSTEM

Model: Smart-BCT-VI-48-200/250/300(P)

48V

10.24/12.8/15.36kWh

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.

Blue Carbon

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

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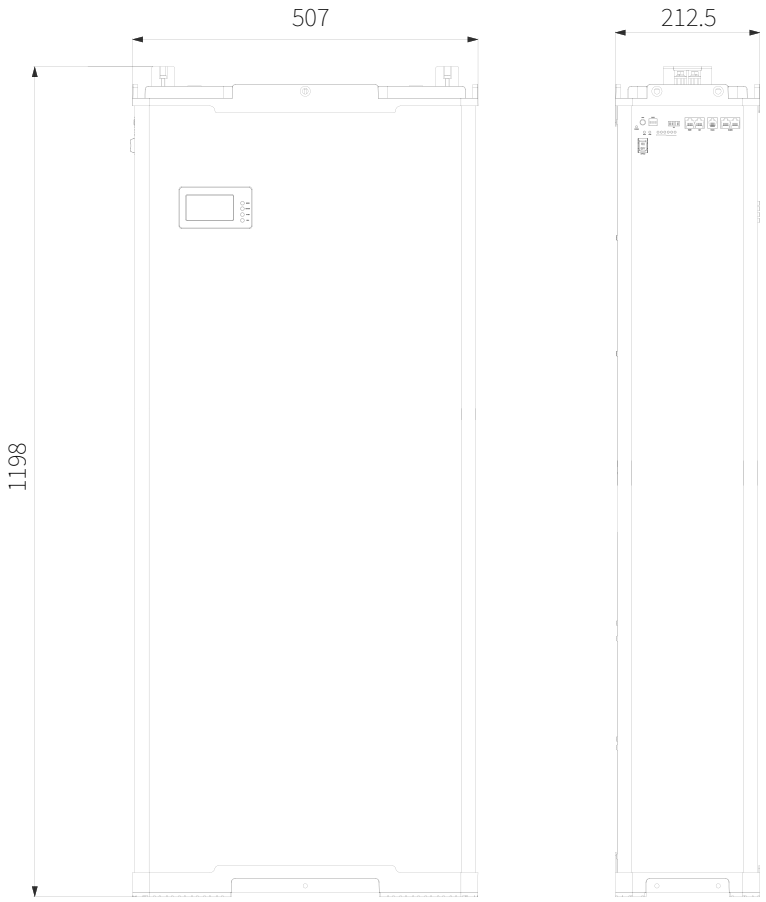
https://www.bluecarbontech.com.cn/en/ | https://bluecarbon.solar

Technical Parameters

Unit: mm



Model: Smart-BCT-VI-48-200/250/300(P)

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V(51.2V)
Electricity(kWh)	10.24/12.8/15.36kWh
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)

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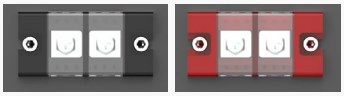
Product advantages 1

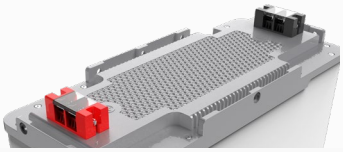
$LiFePO_4$ battery

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



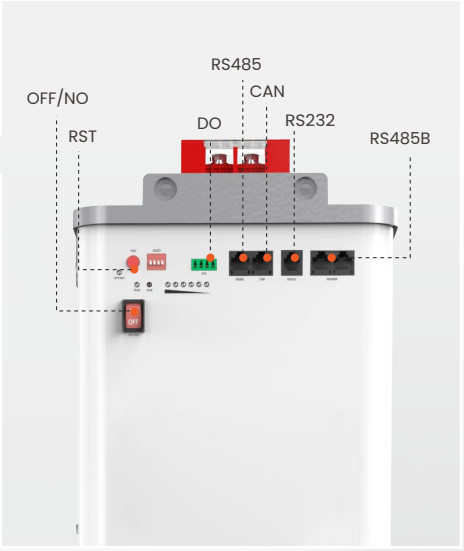
Binding post

Insulated flame retardant, fast and efficient.



High quality aluminium magnesium alloy

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



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

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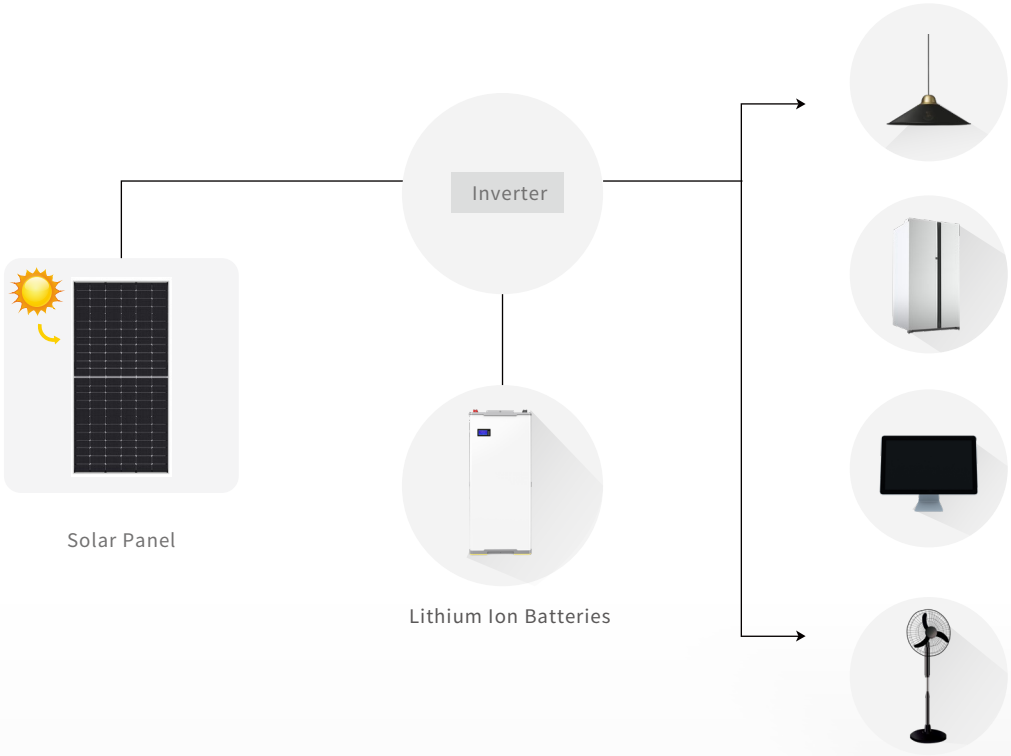
Product advantages 2



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 withthe situation of power outages.

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Application scenario

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