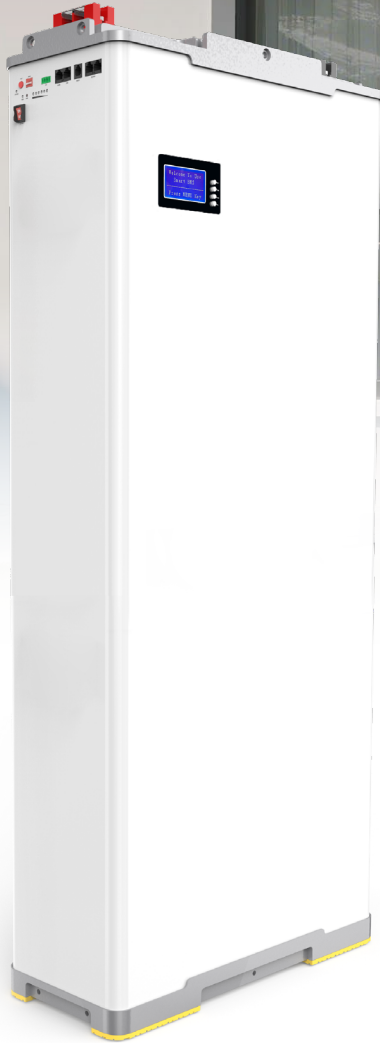


Blue Carbon

LITHIUM BATTERY

LiFePO₄ Battery Pack

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



48V

10.24kwh | 12.8kwh | 15.36kwh



Clean Energy

Using sunlight for clean energy charging, it can supply power to household appliances.



Storing Energy

Energy storage batteries realize electricity freedom for consumption in areas with no or insufficient electricity.



Household Appliances

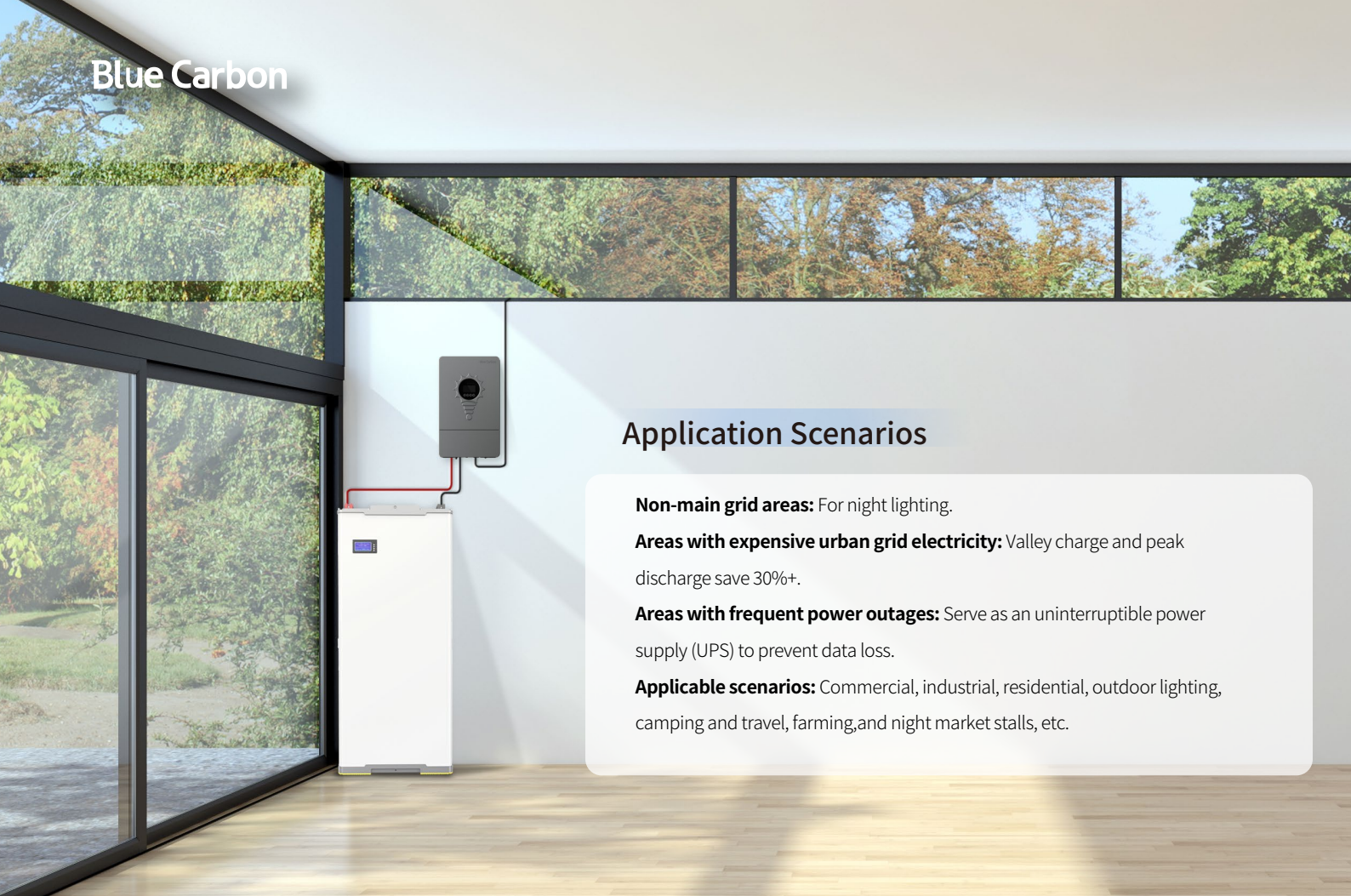
Free electricity

+86-0633-2190373

Building A, International Fortune Center, Rizhao City, Shandong Province, China

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

BLUE CARBON TECHNOLOGY INC.



Application Scenarios

Non-main grid areas: For night lighting.

Areas with expensive urban grid electricity: Valley charge and peak discharge save 30%+.

Areas with frequent power outages: Serve as an uninterruptible power supply (UPS) to prevent data loss.

Applicable scenarios: Commercial, industrial, residential, outdoor lighting, camping and travel, farming, and night market stalls, etc.

Product Display



Technical Parameters

» Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V(51.2V)
Electricity(kWh)	10.24/12.8/15.36kWh
Rated Current	120A

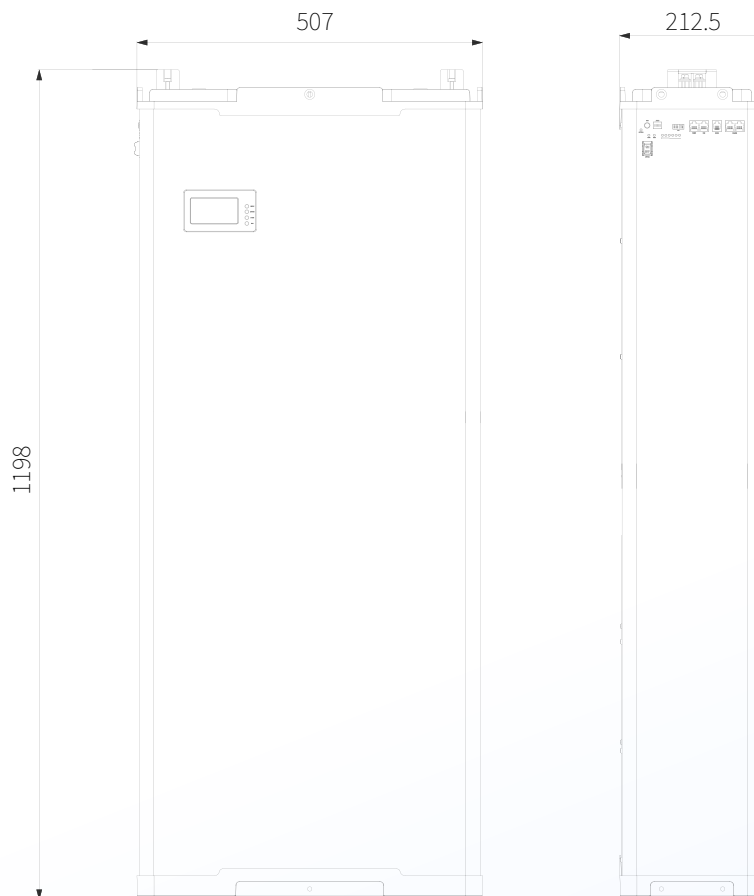
» Other

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

» Battery

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)

Unit: mm

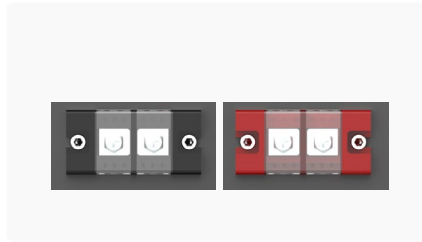


Product Advantages 1



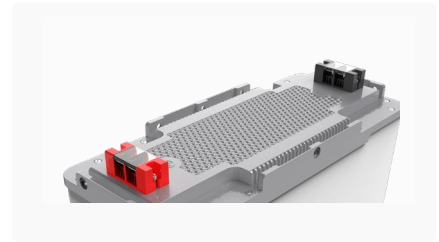
LiFePO₄ Battery

Stable discharge, Long cycle life, Safe and environmental protection, High safety performance



Binding Post

Insulated flame retardant
Fast and efficient

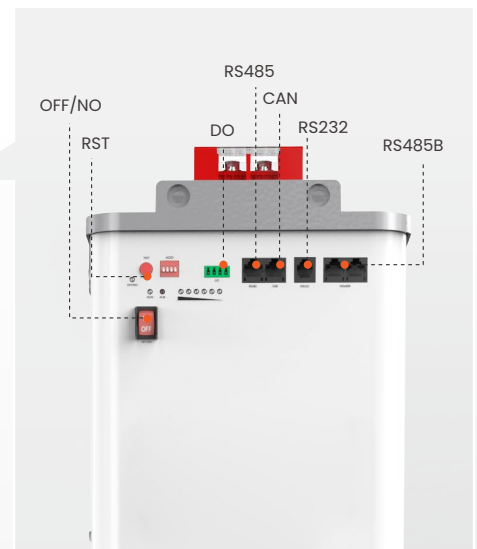


High Quality Aluminium Magnesium Alloy

Anti-corrosion, Substantial, Durable,
Artistic, Practical

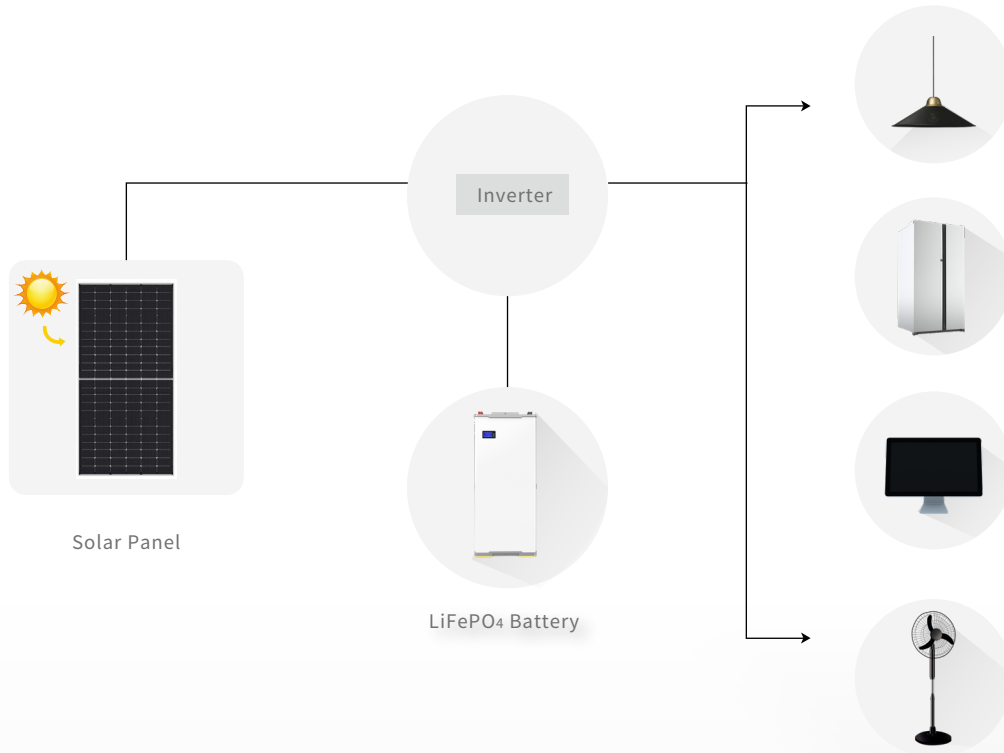
Segmented Display

Observe the power usage at any time.



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

Product Advantages 2



This energy storage system stores electricity generated by solar panels, serving as backup or emergency power. At night or during power outages, it can use the stored energy to power electrical appliances, ensuring continuous operation of critical loads and avoiding the inconvenience caused by blackouts.

Application Scenario

