



LITHIUM BATTERY

48V 10.24/12.8/15.36kWh

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



Household Appliances

Free electricity



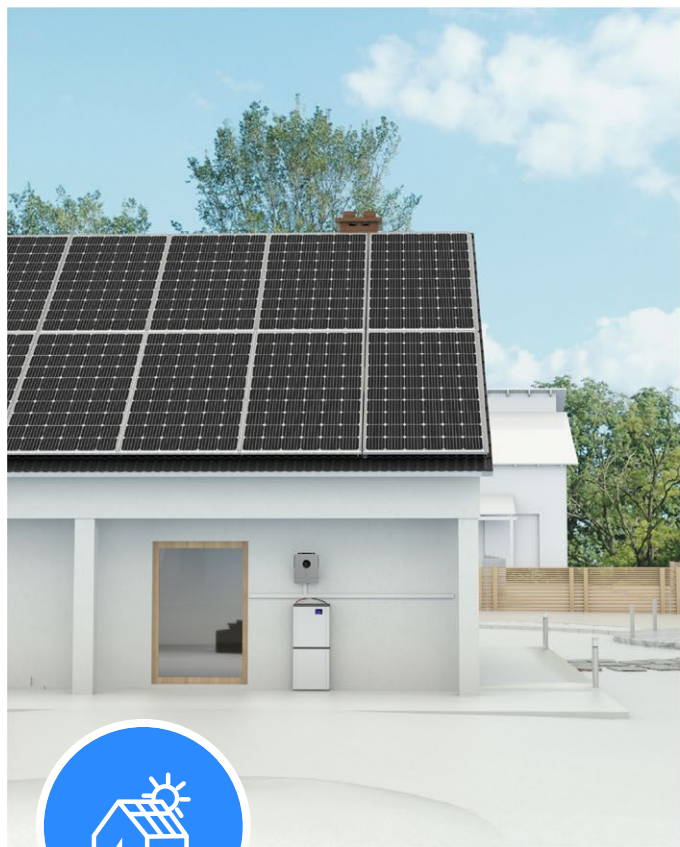
Clean Energy

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.



Application Scenario

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 Parameters

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

Basic Specifications

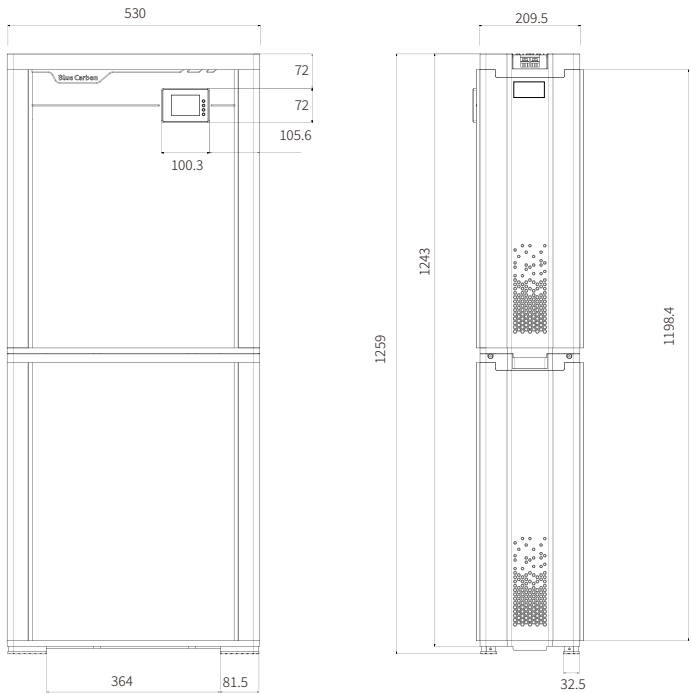
Cell Type	LiFePO ₄ Battery/LFP
Nominal Capacity	200/250/300Ah
Nominal Voltage	48V(51.2V)
Electricity (kWh)	10.24/12.8/15.36kWh
Continuously Use Input Current	120A

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)

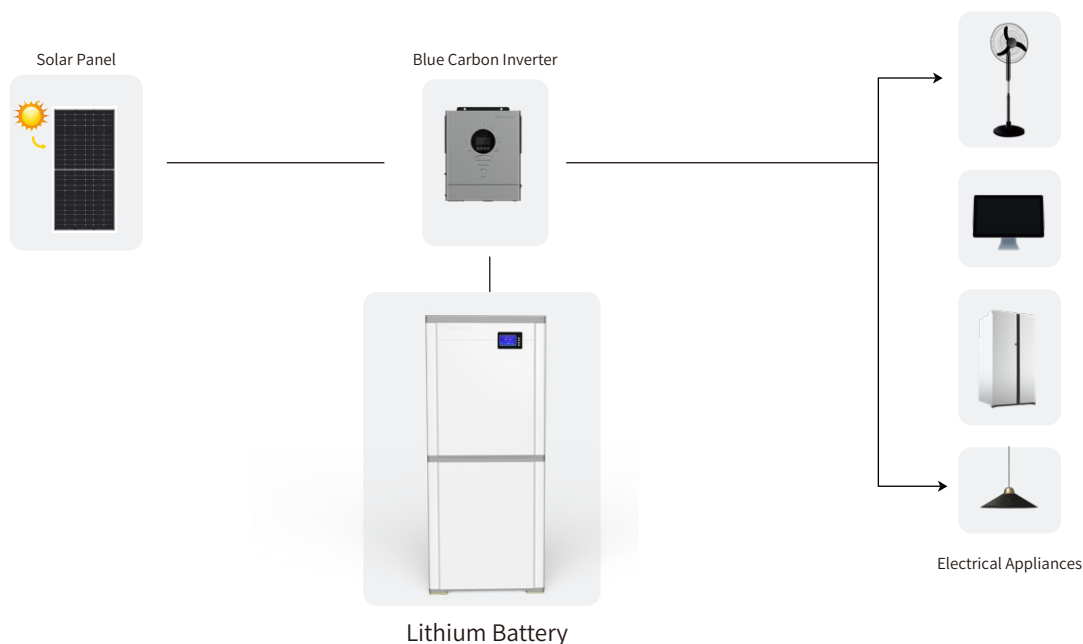
Other

Certification Standards	UN38.3/CE/MSDS
Product Size	530(±2) × 1259(±2) × 209.5(±2)mm

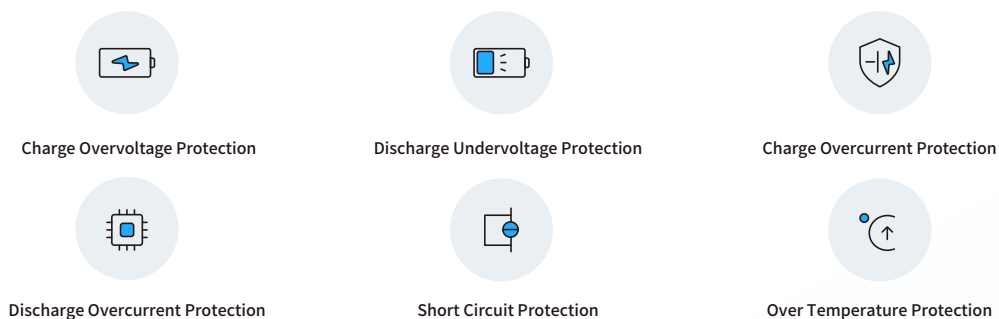


(Unit:mm)

Product Advantages



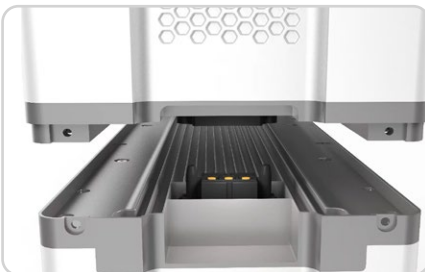
6 Kinds of Safety Protection:



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.



Product Advantages



Split-type building block design



Buckle design, which can increase the capacity by alignment and stacking; Firmly fixed and can be carried by single person.



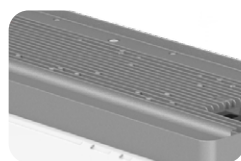
LiFePO4 Battery Pack

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



Binding Post

Insulated flame retardant
Fast and efficient



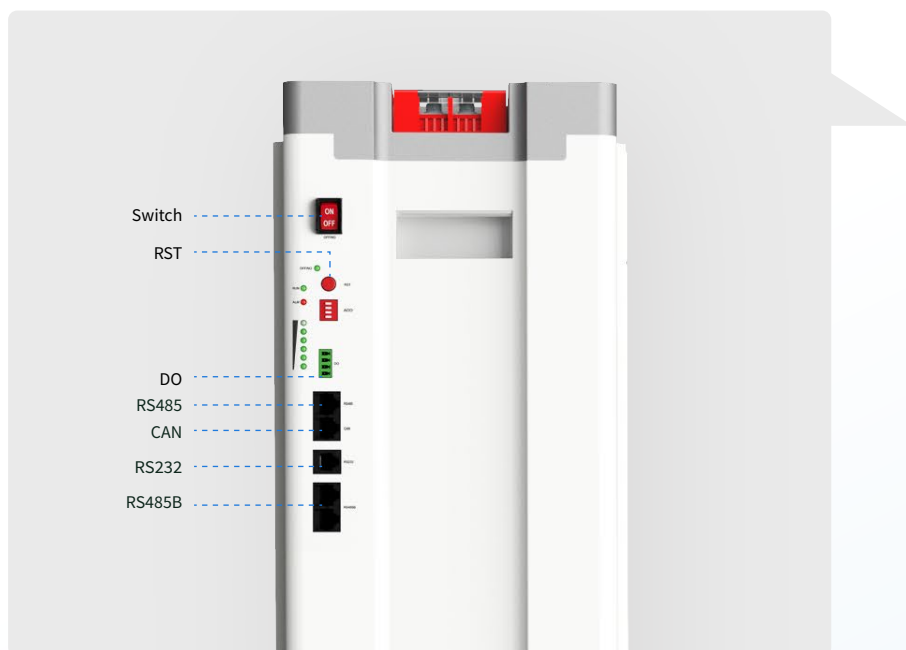
High Quality Aluminium Magnesium Alloy

Anti-corrosion, Substantial, Durable,
Artistic, Practical



LED Display

Observe the power usage at any time.



Application Scenario

