

LITHIUM BATTERY

LiFePO₄ Battery Pack

Model: SMART-BCT-X-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 Display



Technical Parameters

Basic Specifications

Nominal Capacity	200/250/300Ah
Nominal Voltage	48V (51.2V)
Electricity(kWh)	12.8/15.36kWh
Continuously UseInput Current	150A

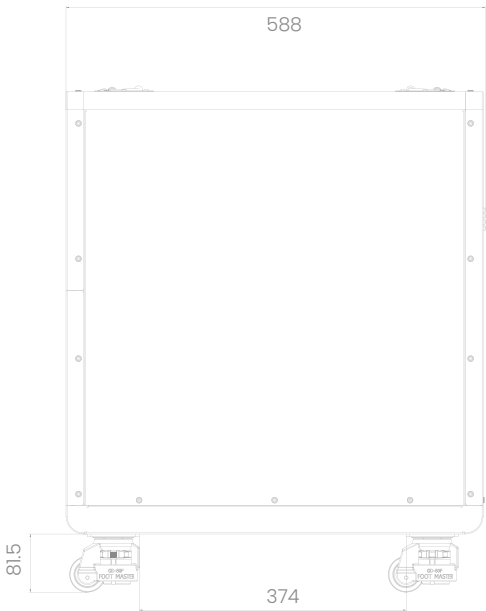
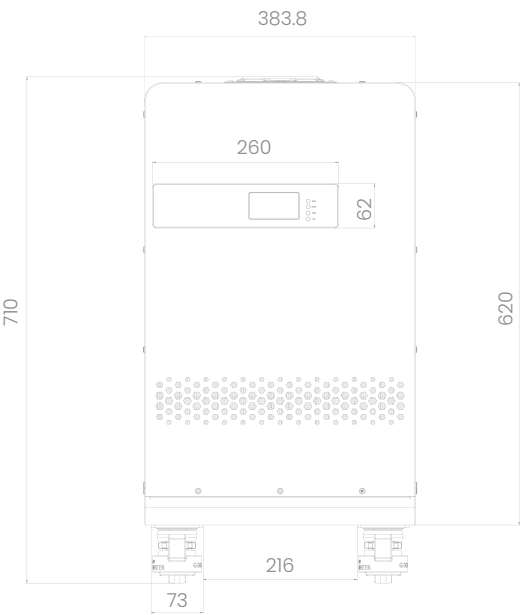
Other

Certification Standards	UN38.3/CE/MSDS
Product Size	383.8(±2)×710(±2)×588(±2)mm

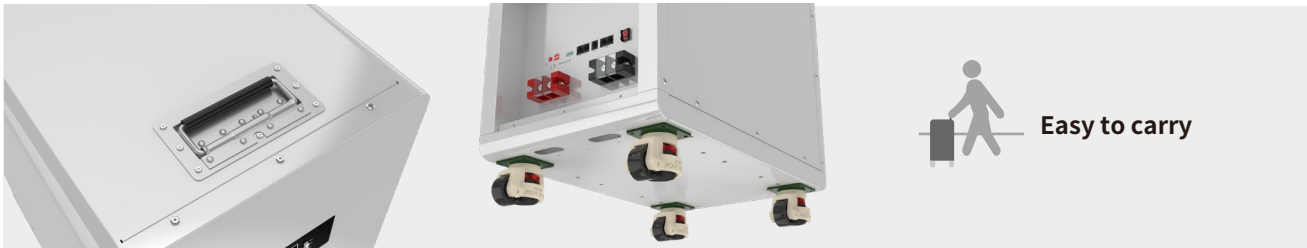
Battery

Cell Type	LiFePO ₄ Battery/LFP
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

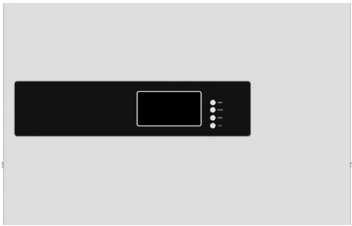


Product Advantages 1



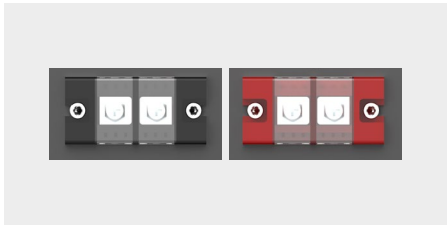
LiFePO₄ Battery Pack

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



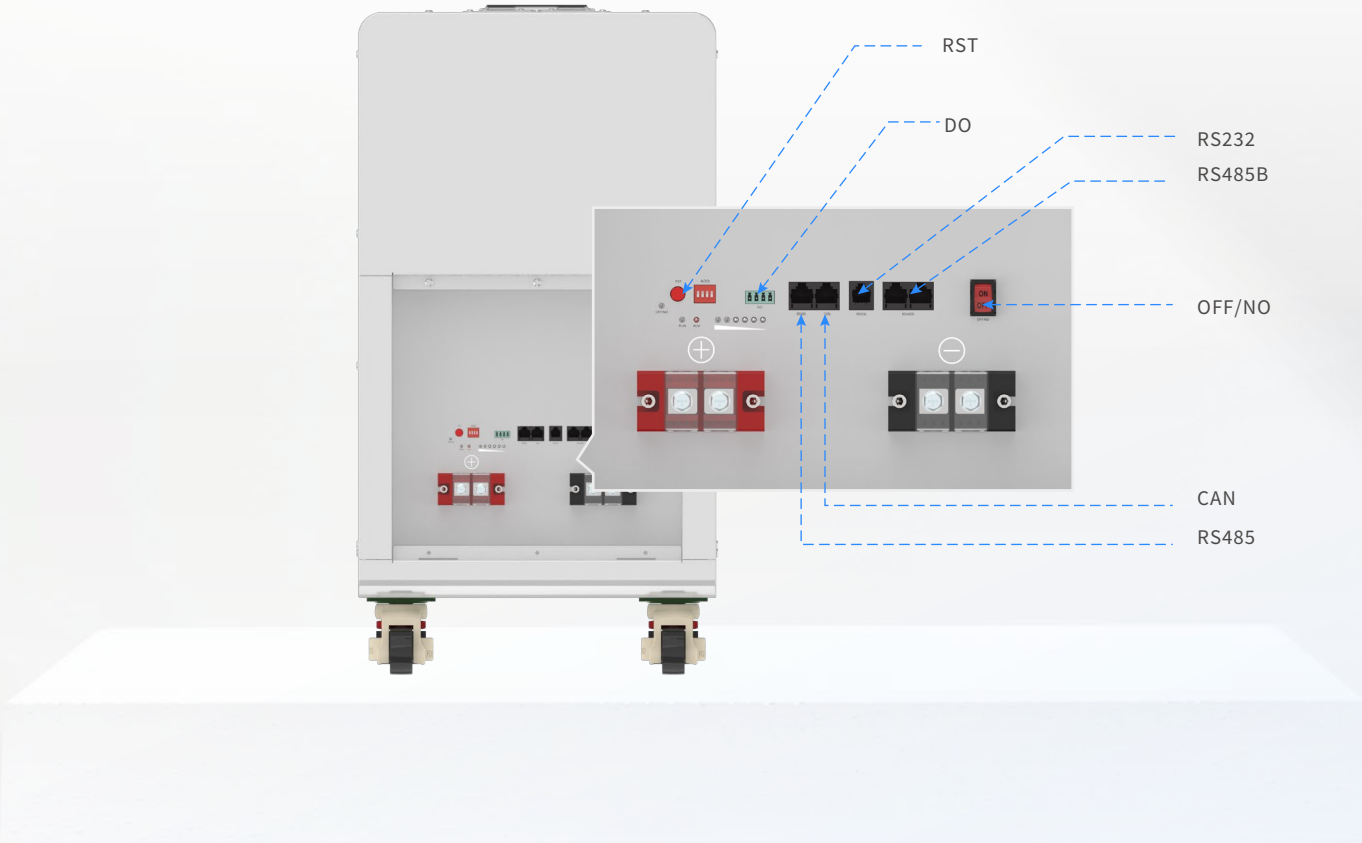
LED Display

Observe the power usage at any time.



Binding Post

Insulated flame retardant , Fast and efficient



Product Advantages 2



Charge Overvoltage Protection



Discharge Undervoltage Protection



Charge Overcurrent Protection



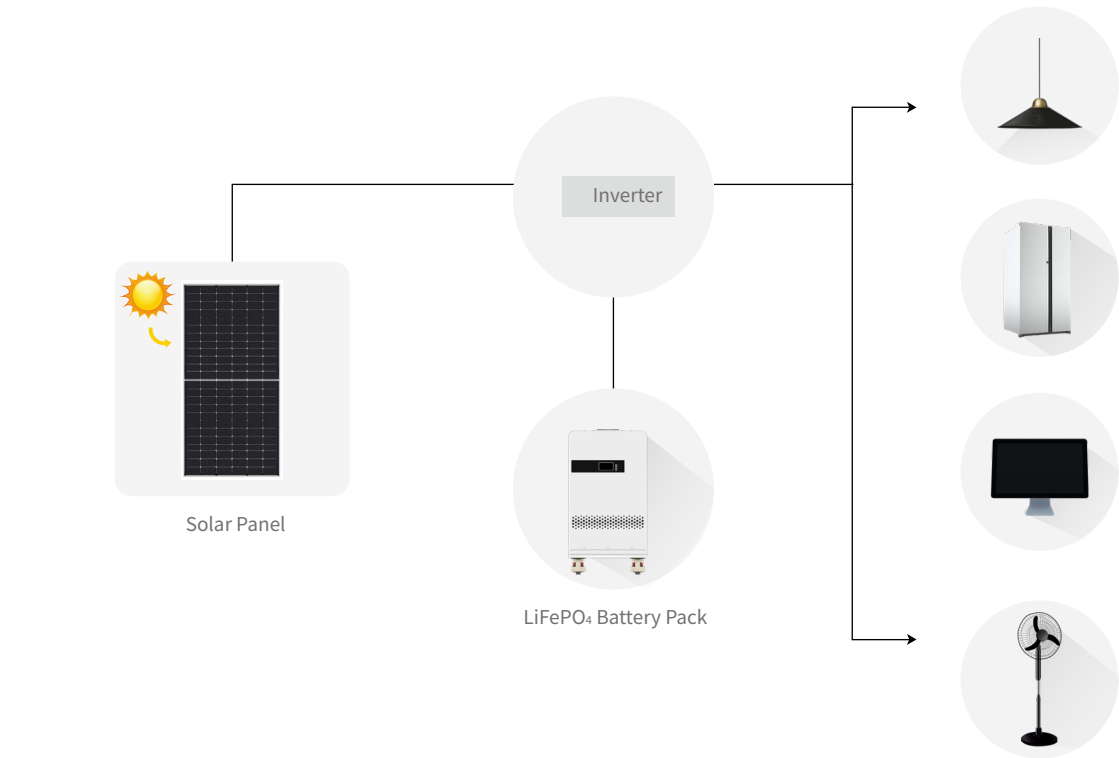
Discharge Overcurrent Protection



Short Circuit Protection



Over Temperature 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.

