



48V-200/250/300Ah

10.24kWh | 12.8kWh | 15.36kWh

Name: Lithium Battery

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

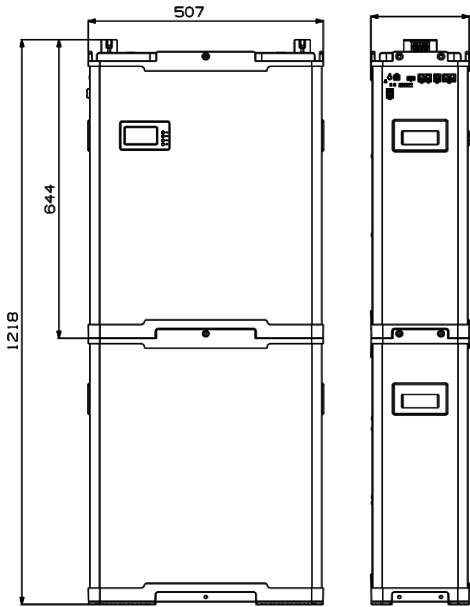
Application Scenarios:

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.



(Unit:mm)

Basic Specifications

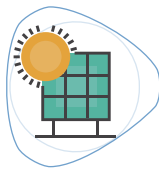
Cell Type	LiFePO ₄ Battery/LFP
Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	48V (51.2V)
Electricity(kWh)	10.24kWh/12.8kWh/15.36kWh
Continuously UseInput Current	120A

Other

Certification Standards	UN38.3/CE/MSDS
Product Size	1218(±2)×507(±2)×212(±2)mm
Package Size	668(±2)×605(±2)×731(±2)mm
Parallel	Up to 15 Pcs

Basic Specifications

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



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

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.

6 KINDS OF SAFETY PROTECTION



Charge Overvoltage Protection



Discharge Undervoltage Protection



Charge Overcurrent Protection



Discharge Overcurrent Protection



Short Circuit Protection



Over Temperature Protection

Product Details



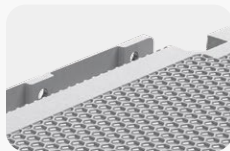
LiFePO₄ Battery Pack

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

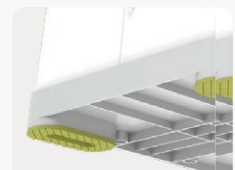
Anti-corrosion, Substantial, Durable,
Artistic, Practical

LED Display

Observe the power usage at any time.



Function Introduction



Insulated Rubber Pad

The bottom of the battery is equipped with rubber foot pads to increase safety and serve as shock-proof buffers, anti-static, electrical insulation, and so on.



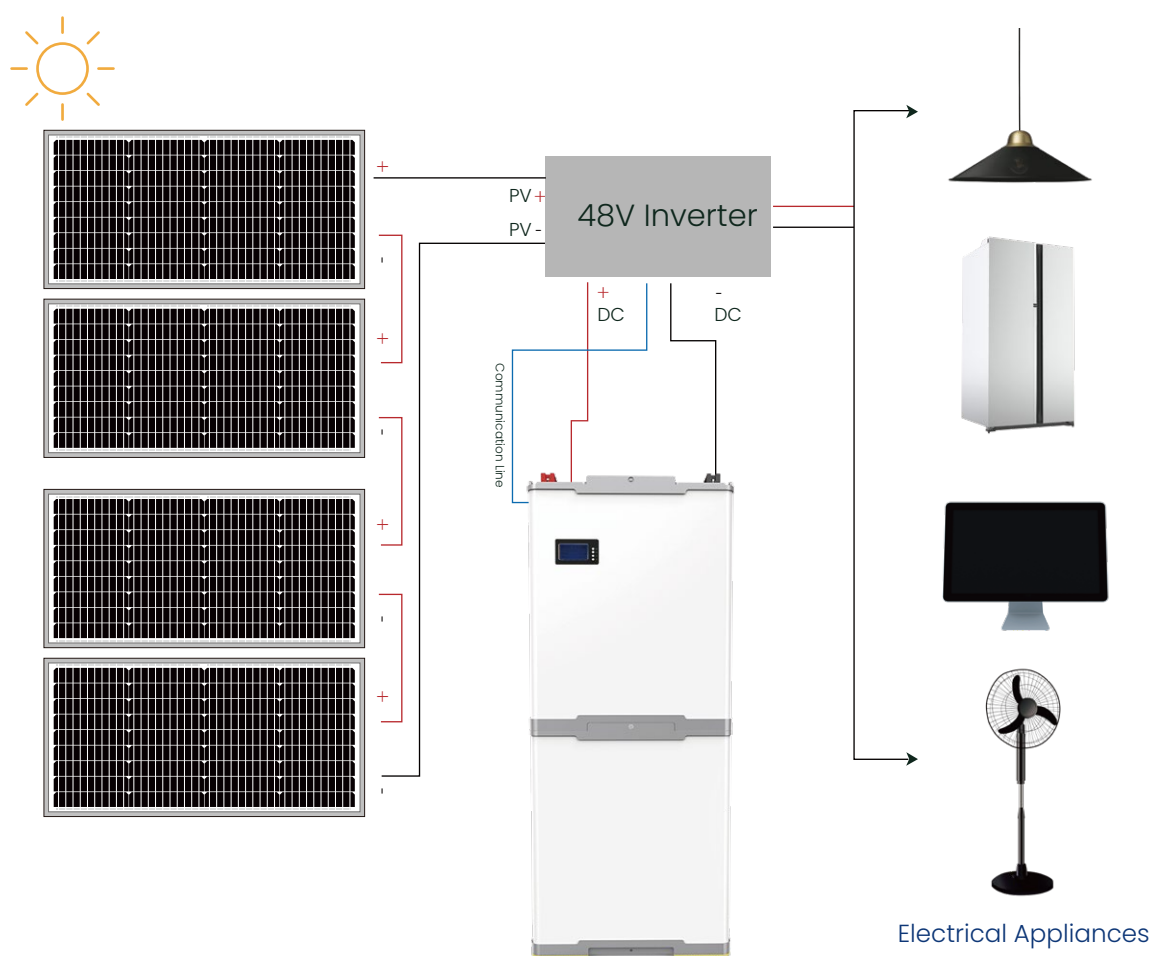
Gold Plated Plug

Never oxidize in high temperature, high humidity and high-salt environment; No risk of thermal runaway and fire



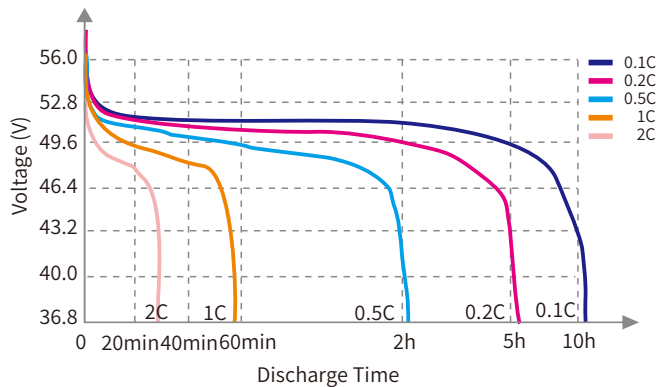
Split-type Building Block Design

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

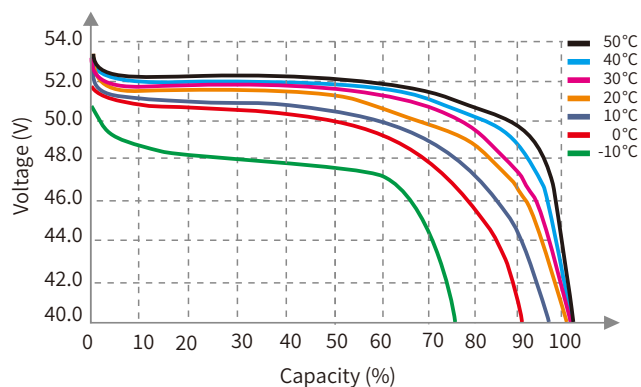


Battery Specification

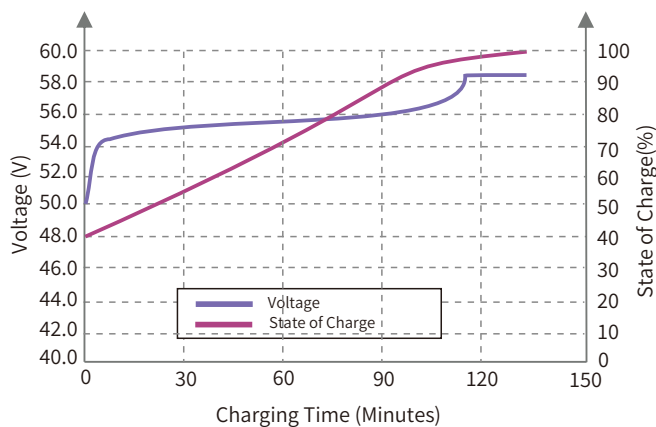
Different Rate Discharge Curve (25°C)



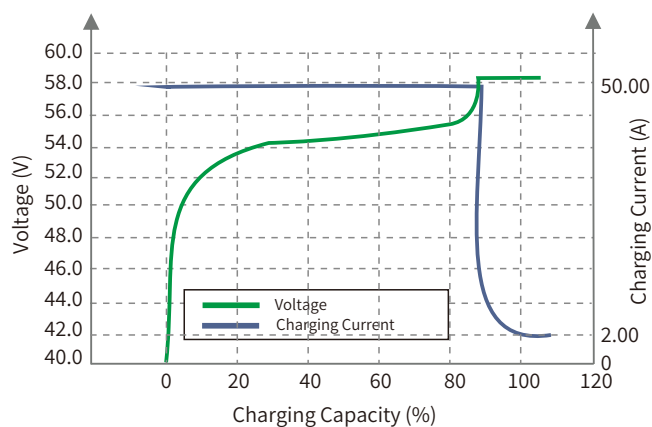
Different Temperature Discharge Curve (0.5C)



State of Charge Curve (0.5C, 25°C)



Charging Characteristics (0.5C, 25°C)



Different Temperature Self Discharge Curve

