



24V-200/250/300Ah

5.12kWh | 6.4kWh | 7.68kWh

Name: LITHIUM ION BATTERIES

Model: BCT-V-24-200/250/300

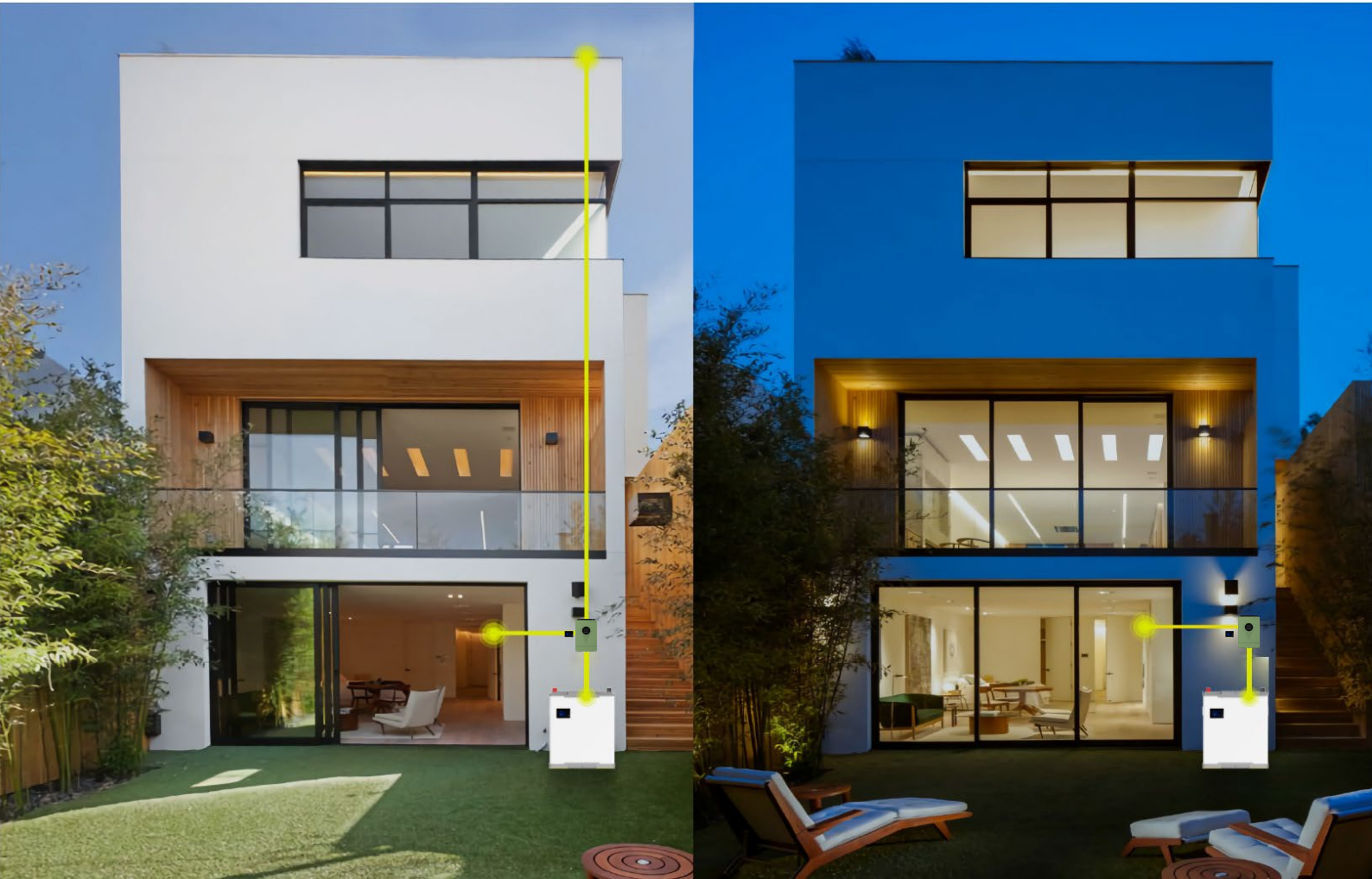
Application Scenarios:

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.



Daytime solar power generation
Cover daytime electricity



Night energy storage discharge
Cover power consumption at night

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.

Technical Parameters

Model: BCT-V-24-200/250/300

Basic Specifications

Nominal Capacity	200Ah/250Ah/300Ah
Nominal Voltage	24V(25.6V)
Electricity(kWh)	5.12kWh/6.4kWh/7.68kWh

Input

Full Charge Voltage	29.2V
Maximum Charging Voltage	30V
Input Voltage Range	28V-30V
Continuously Use Input Current	100A
Maximum Solar Panel Input Current	100A
Overcharge Delay Protection	1000ms

Output

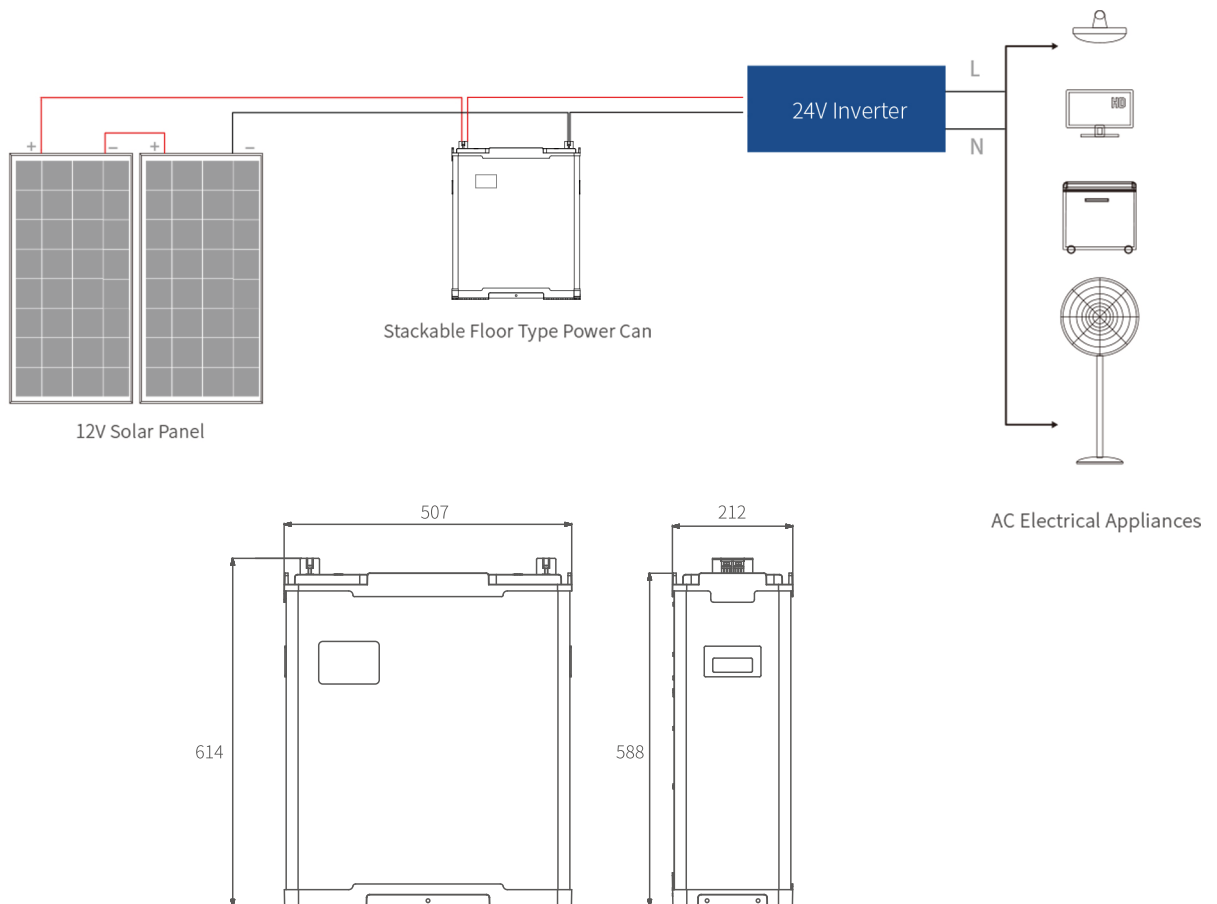
Continuously Use Output Current	100A
Discharge Cut-off Voltage	20V-24V
Over-Discharge Delay Protection	1000ms
Short Circuit Protection Delay	300us
Short Circuit Protection Recovery	Disconnect load

Battery

Cell Type	LiFePO ₄ Battery/LFP
Storage Temperature Range	Short-Term -20°C-40°C(Within 1 month) Long-term 10°C-35°C(Within 1 year)
Operating Temperature Range	-15°C-60°C
Recommended Temperature Range	10°C-40°C
Storage Humidity	≤75% 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

Package Size	668±2×328±2×706±2mm
Certification Standards	UN38.3/CE/MSDS



Unit: mm



Product Details



LiFePO₄ Battery Pack

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

LED Display

Observe the power usage at any time.



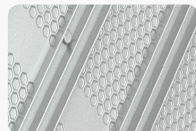
Insulated Rubber Pad

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.



Binding Post

Insulated flame retardant
Fast and efficient



High Quality Aluminium Magnesium Alloy

Anti-corrosion, Substantial, Durable,
Artistic, Practical

Function Introduction



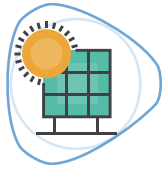
Gold Plated Plug

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



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

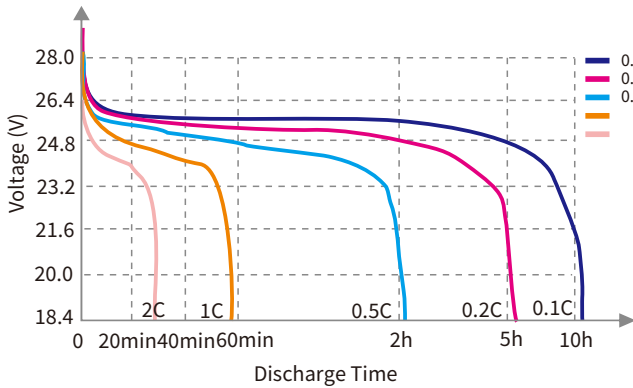
Free electricity



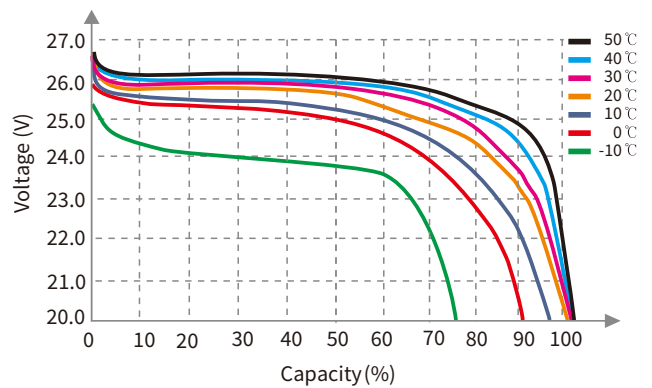
Store your electric energy to cope with the evening peak or power outage.

Battery Specification

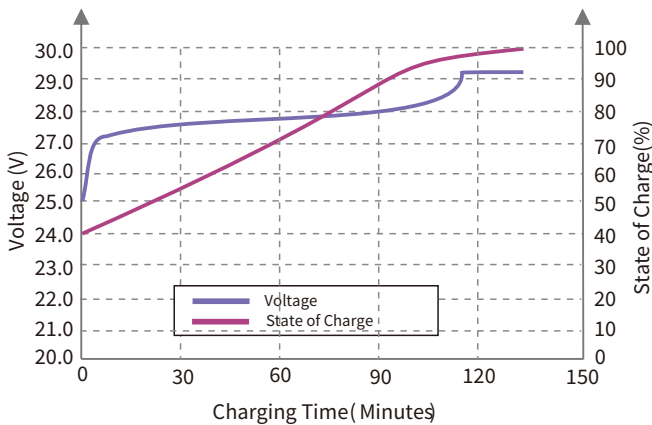
Different Rate Discharge Curve (25°C)



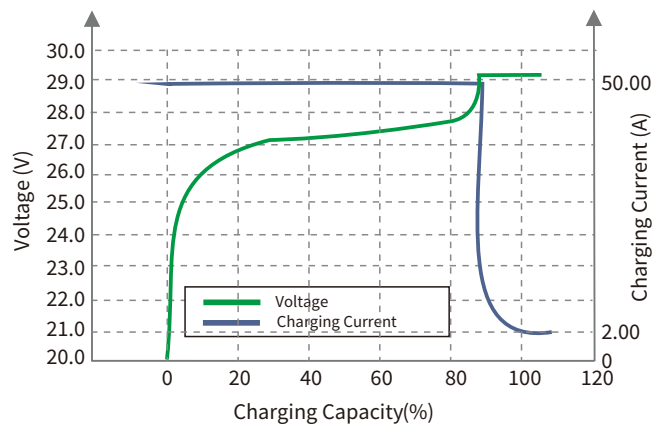
Different Temperature Discharge Curve (0.5C)



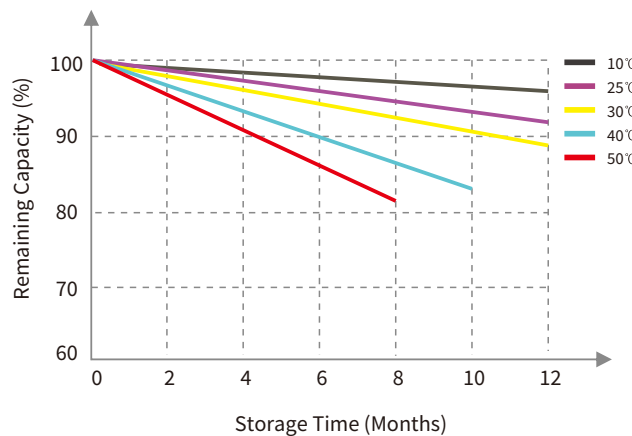
State of Charge Curve (0.5C, 25°C)



Charging Characteristics (0.5C, 25°C)



Different Temperature Self Discharge Curve



Usage Scenarios

