

LITHIUM ION BATTERIES

PV ENERGY STORAGE SYSTEM

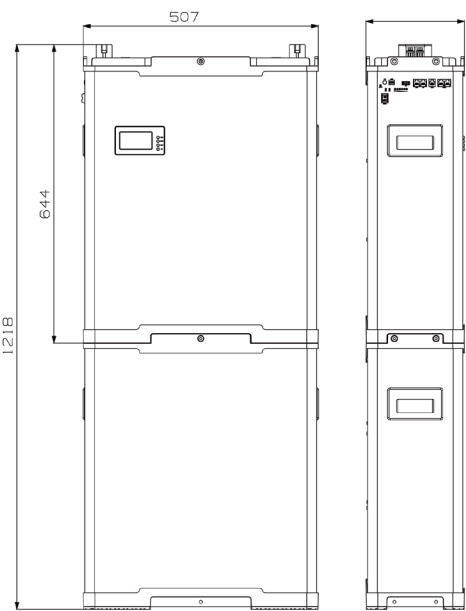
SMART-BCT-V-48-300(P)



BCT

CONFIGURATION | TECHNICAL PARAMETER

SMART-BCT-V-300(P)



(Unit: mm)

Basic Specifications

Cell Type	LiFePO ₄ Battery/LFP
Nominal Capacity	300Ah
Nominal Voltage	48V (51.2V)
Electricity(kWh)	15.36kWh
Continuously UseInput Current	100A

Other

Certification Standards	UN38.3/CE/MSDS/DGM
Warranty	5 Years
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)



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



More Available Power



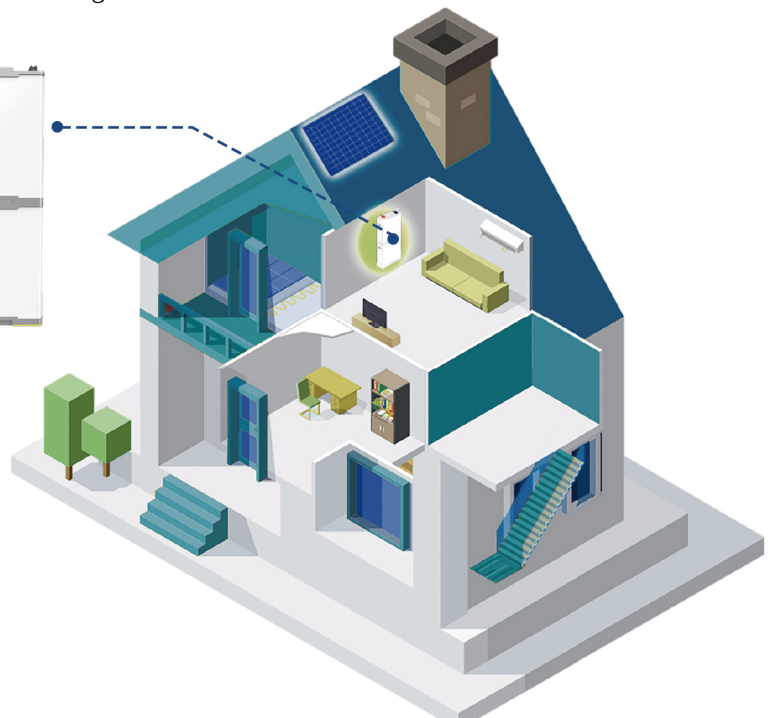
Flexible Investment



Simple Installation



Safe & Reliable



matters need attention:

- It is strictly forbidden to install near bed-room and nearby flammable material.
- Installation in inhabited rooms is not recommended.
- It is strictly forbidden to use the controllers, inverters, inverters and controller integrated equipment which are not professionally matched.

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PRODUCT ADVANTAGES

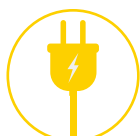
SMART BATTERY MANAGEMENT SYSTEM



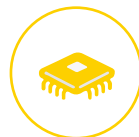
Over-charge
Protection



Over-discharge
Protection



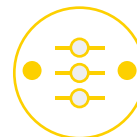
Over-current
Protection



High quality
chip



Short circuit
protection



Temperature
protection

Product Details



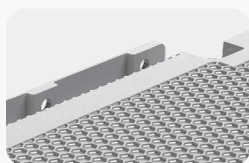
LiFePO₄ Battery

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.

LCD display

Observe the power usage at any time.

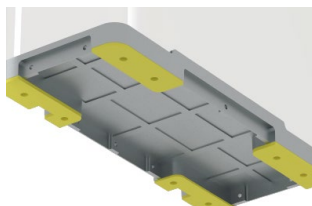
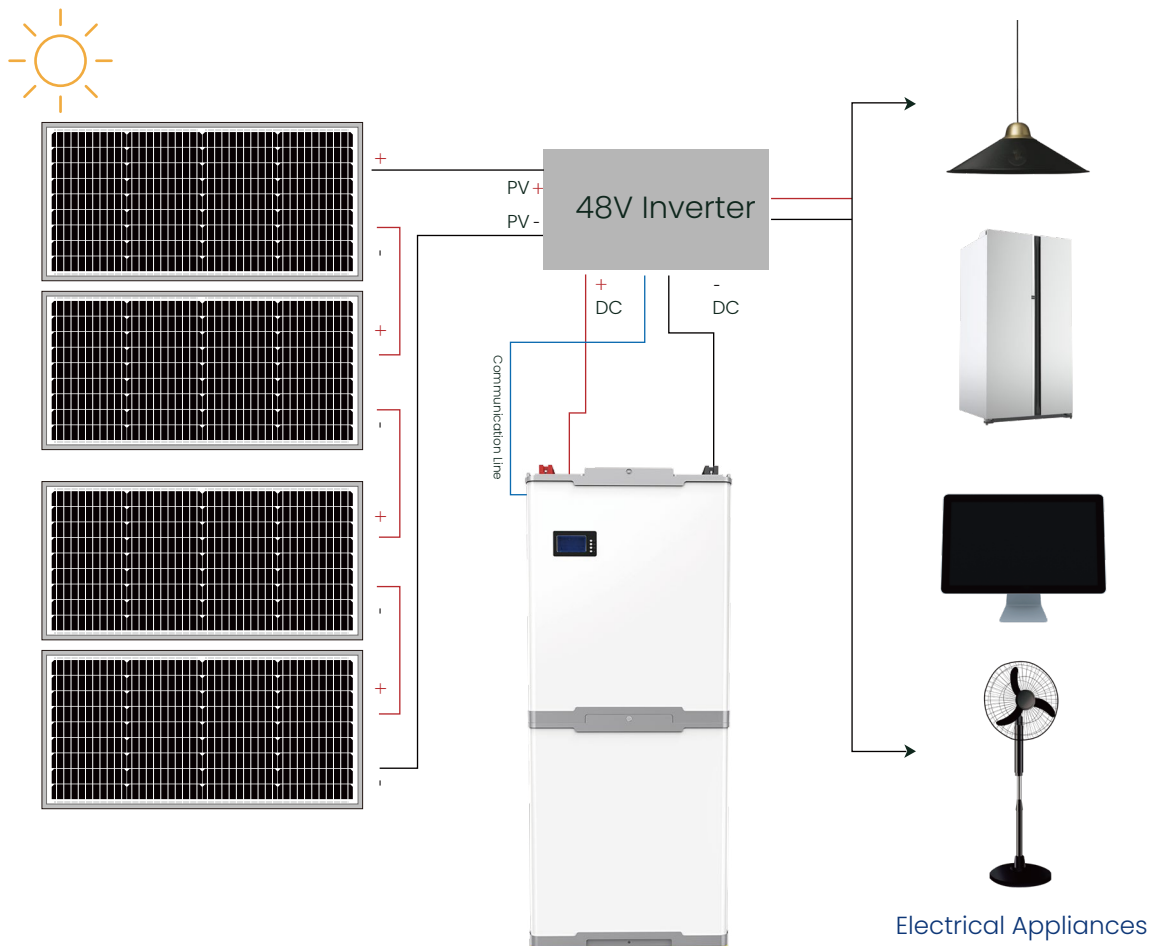


Function Introduction



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PRODUCT ADVANTAGES



■ Insulated Rubber Pad

The bottom of battery is equipped with rubber feet pad to increase safety and play roles of shock-proof buffer, anti-static, electrical insulation and so on.



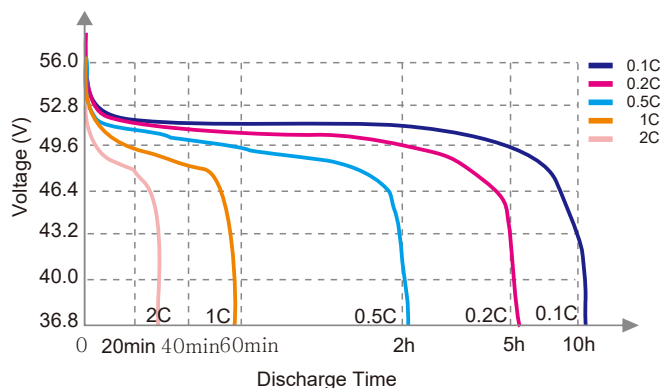
■ Gold Plated Plug

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

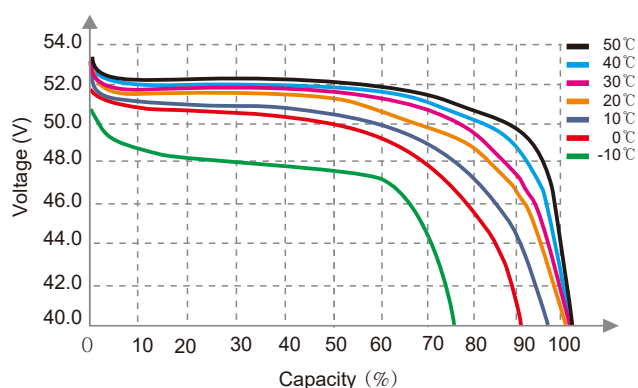
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Battery Specification

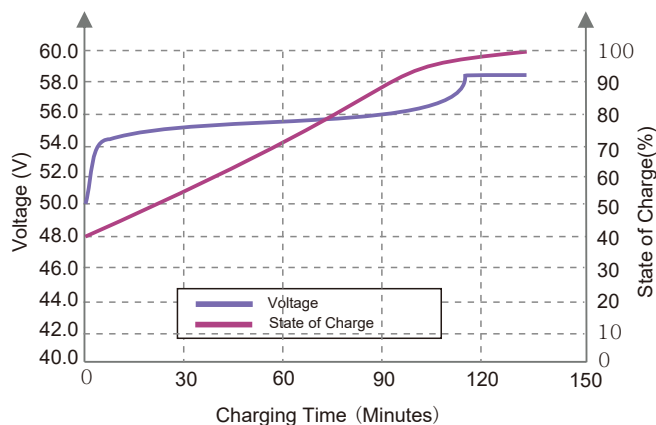
Different Rate Discharge Curve (25°C)



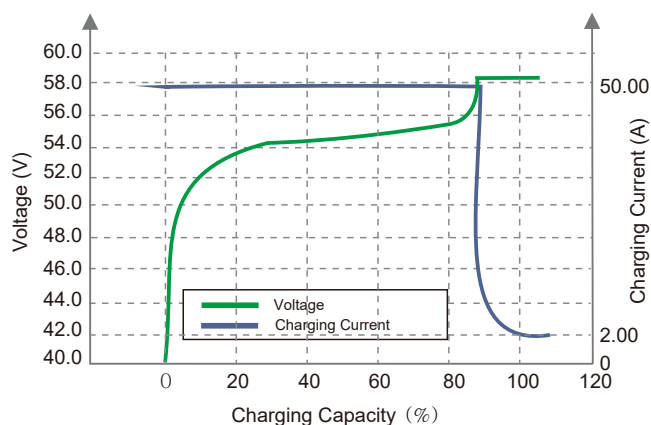
Different Temperature Discharge Curve (0.5C)



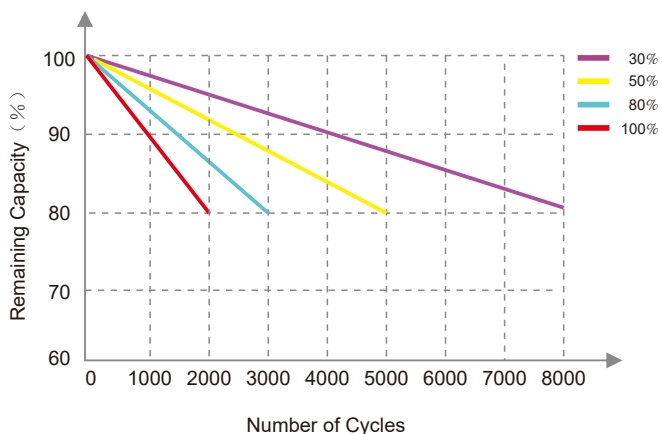
State of Charge Curve (0.5C, 25°C)



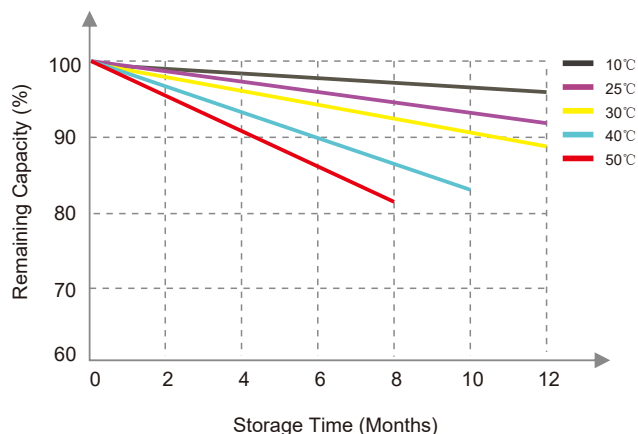
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)

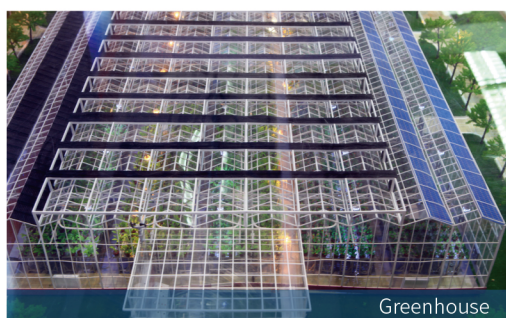
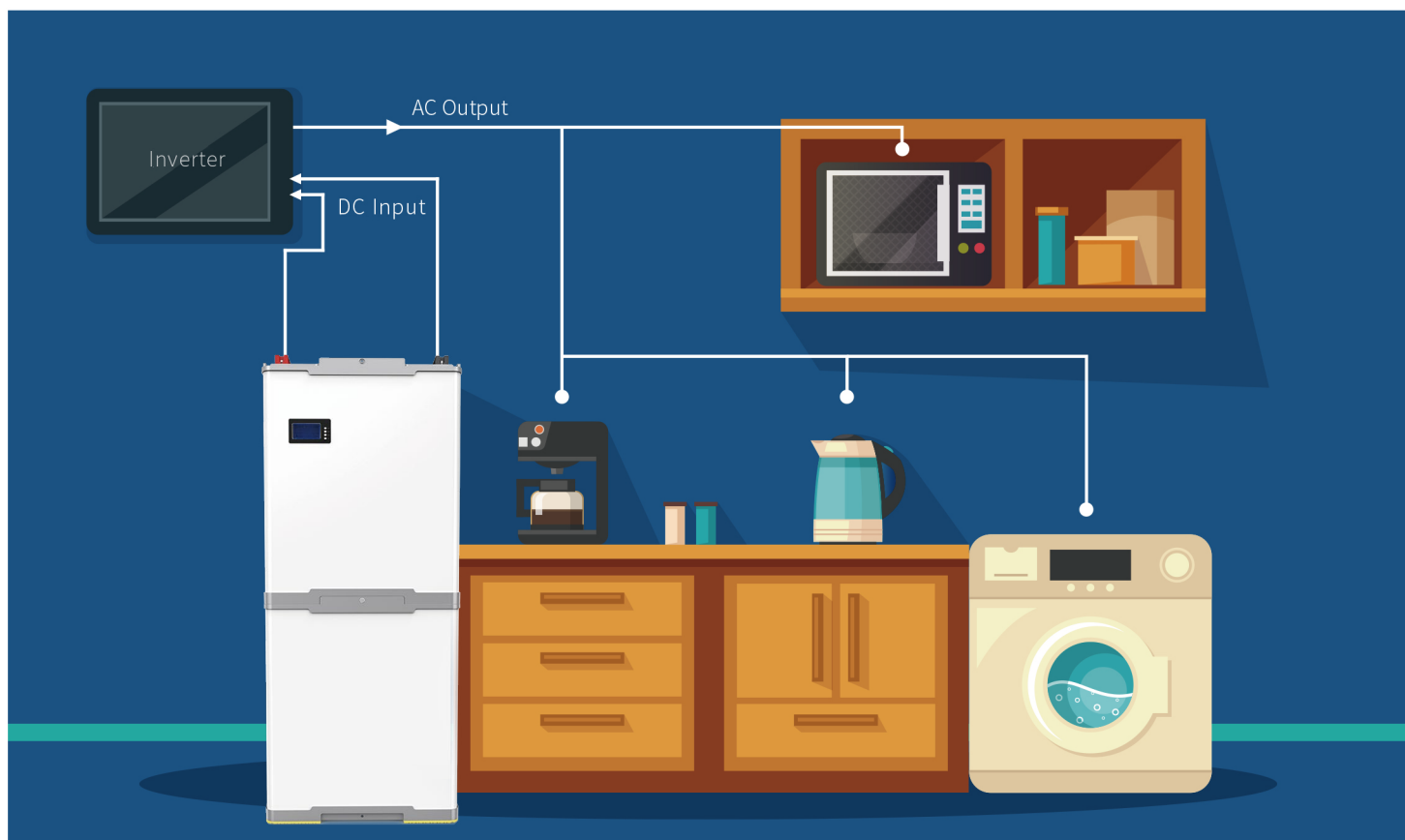


Different Temperature Self Discharge Curve



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SCENES TO BE USED



Blue Carbon

