

LITHIUM ION BATTERIES

PV ENERGY STORAGE SYSTEM

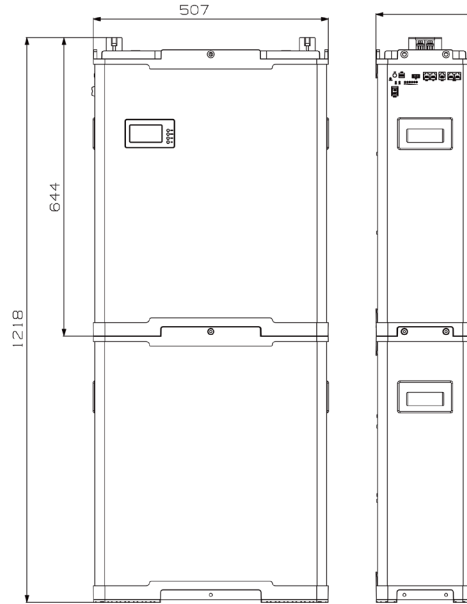
SMART-BCT-V-48-300(P)



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 UselInput 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°C
Operating Temperature Range	0°C-50°C
Storage Humidity	5-95%RH
Atmospheric Pressure	Below 5000 Above Sea Level
Self-Discharge(25°C)	<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



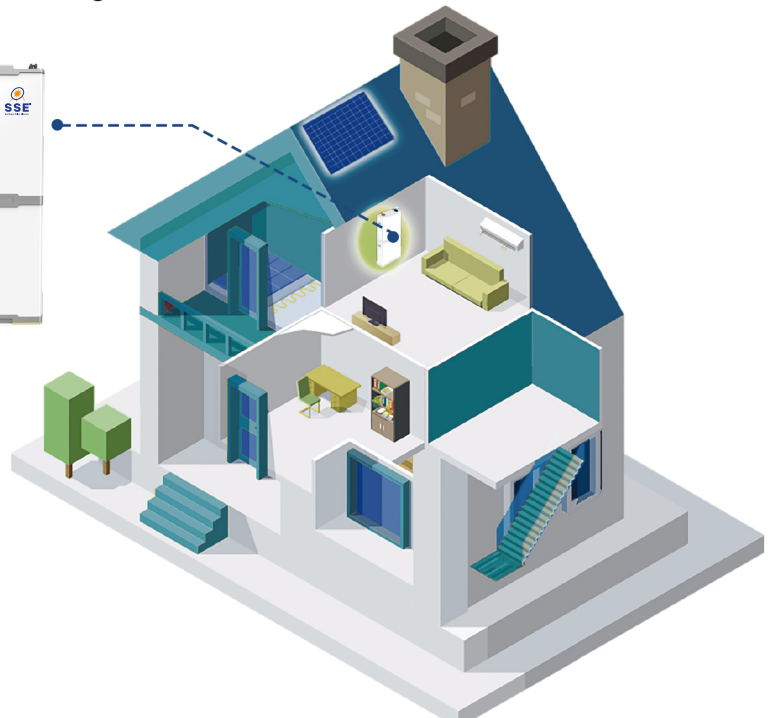
Flexible Investment



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

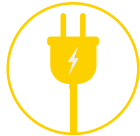
SMART BATTERY MANAGEMENT SYSTEM



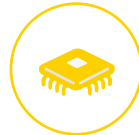
Over-charge Protection



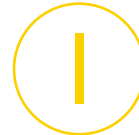
Over-discharge Protection



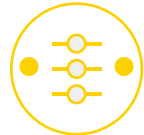
Over-current Protection



High quality chip



Short circuit protection



Temperature protection

Product Details



LiFePO₄ Battery

Stable discharge, long cycle life, safe and environmental protection, high safety performance.

LCD display
Observe the power usage at any time.

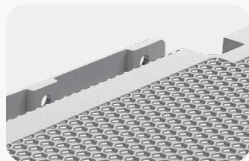


Function Introduction



Binding Post

Insulated flame retardant, fast and efficient.



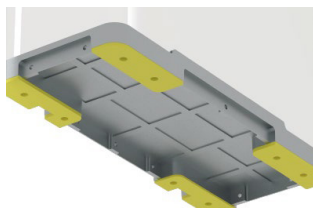
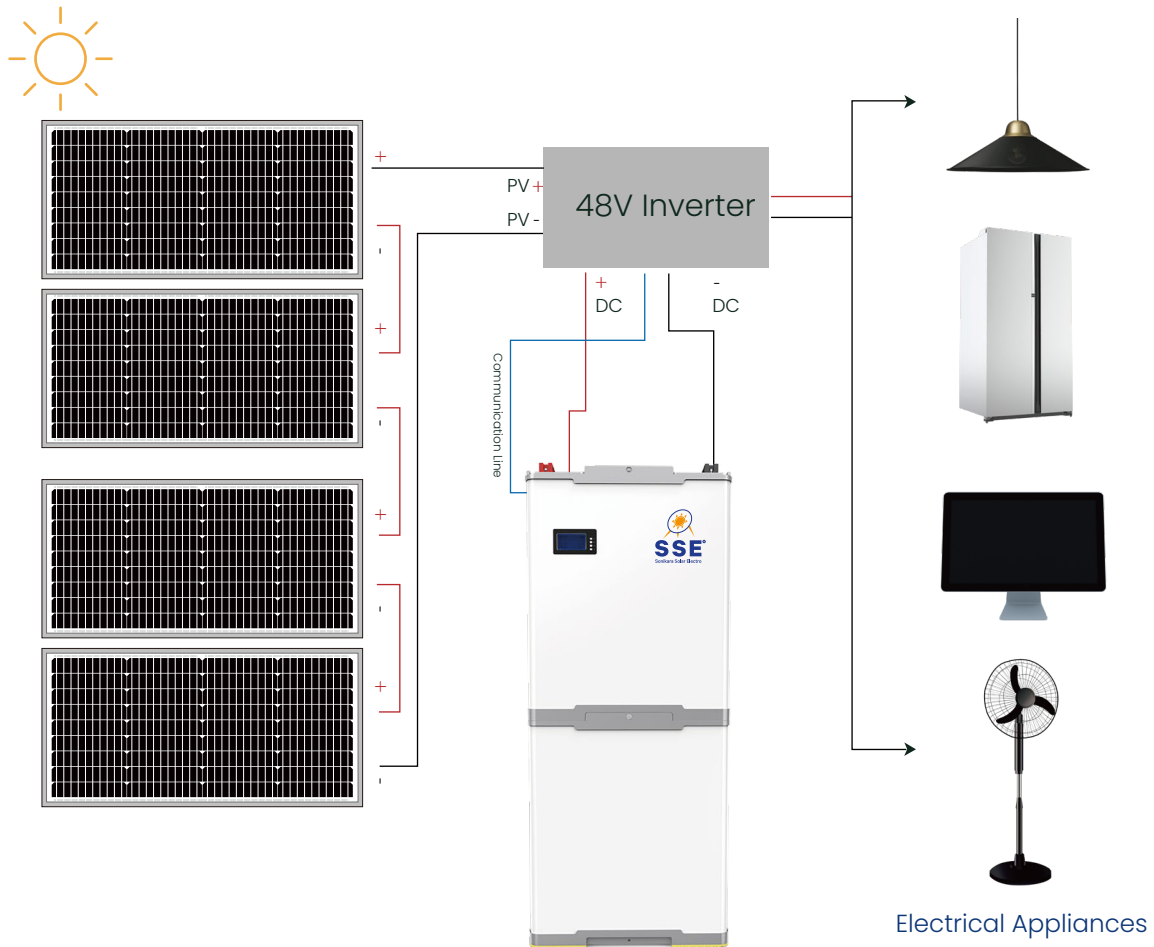
High Quality Aluminium Magnesium Alloy

Anti-corrosion, substantial, durable, artistic, practical.



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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.



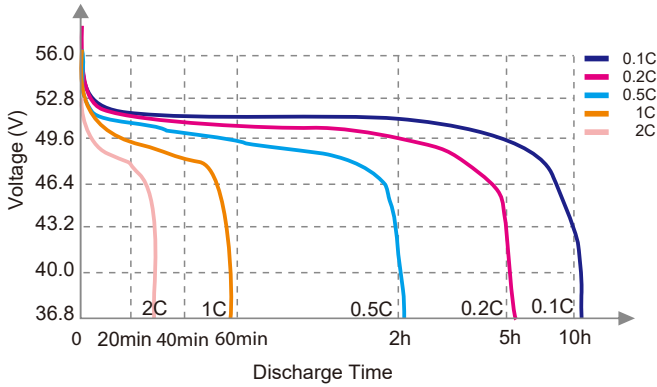
■ Gold Plated Plug

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

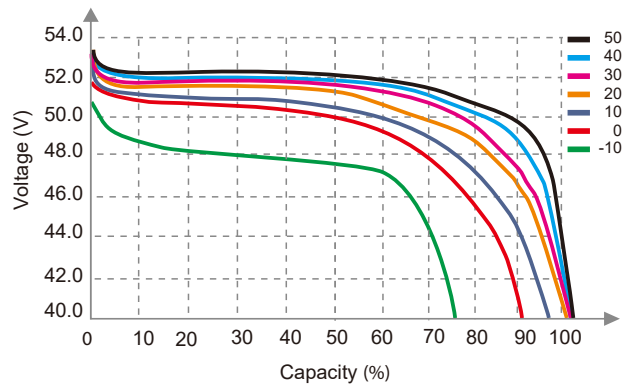
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Battery Specification

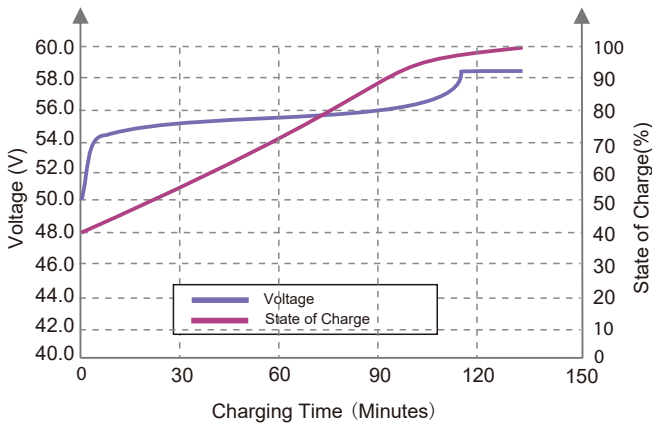
Different Rate Discharge Curve (25°C)



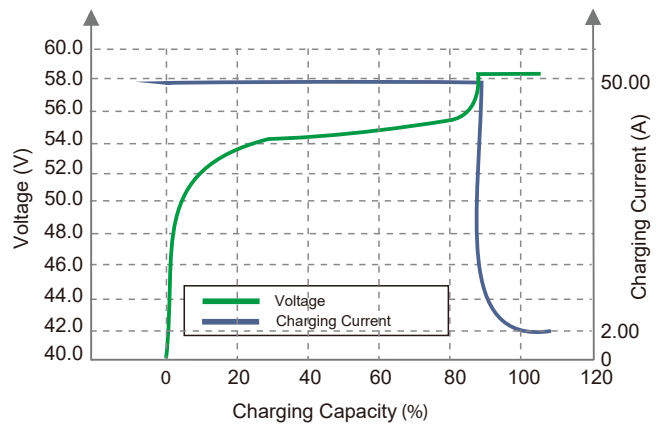
Different Temperature Discharge Curve (0.5C)



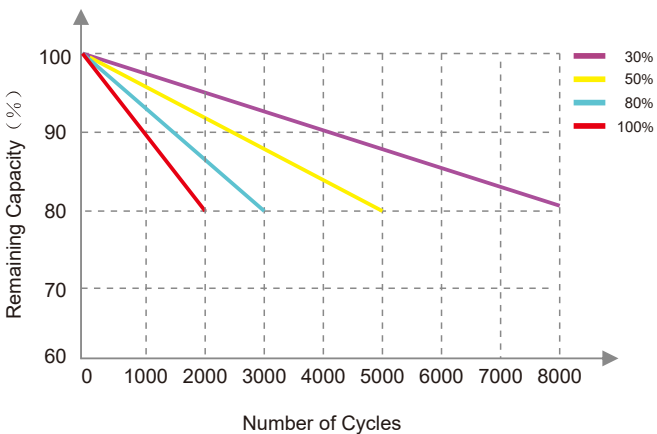
State of Charge Curve (0.5C, 25°C)



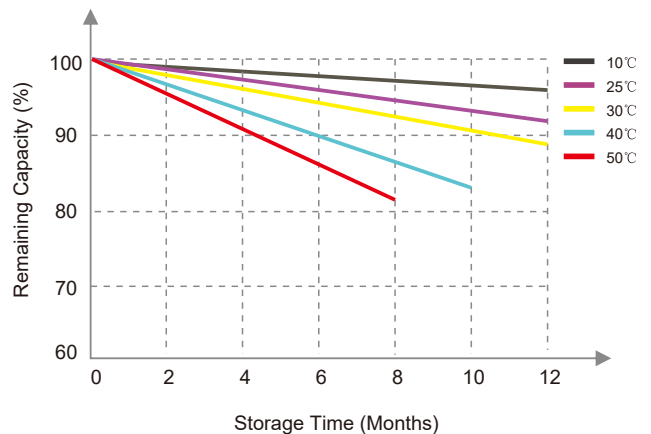
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve(1C)



Different Temperature Self Discharge Curve



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SCENES TO BE USED

