solar
Great
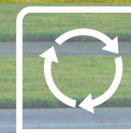# LIMOO
SOLAR ENERGY

SMART-BCT-V-48-100 (P)

LiFePO4 Battery Pack

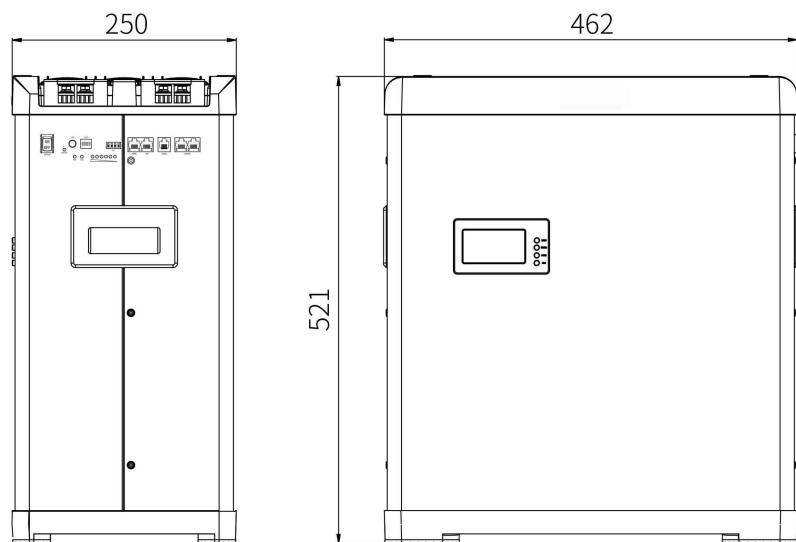Power monitoring

Durable endurance

Long cycle life

Sufficient storage capacity

Can be used in parallel

SMART-BCT-V-48-100(P)
LiFePO4 Battery Pack
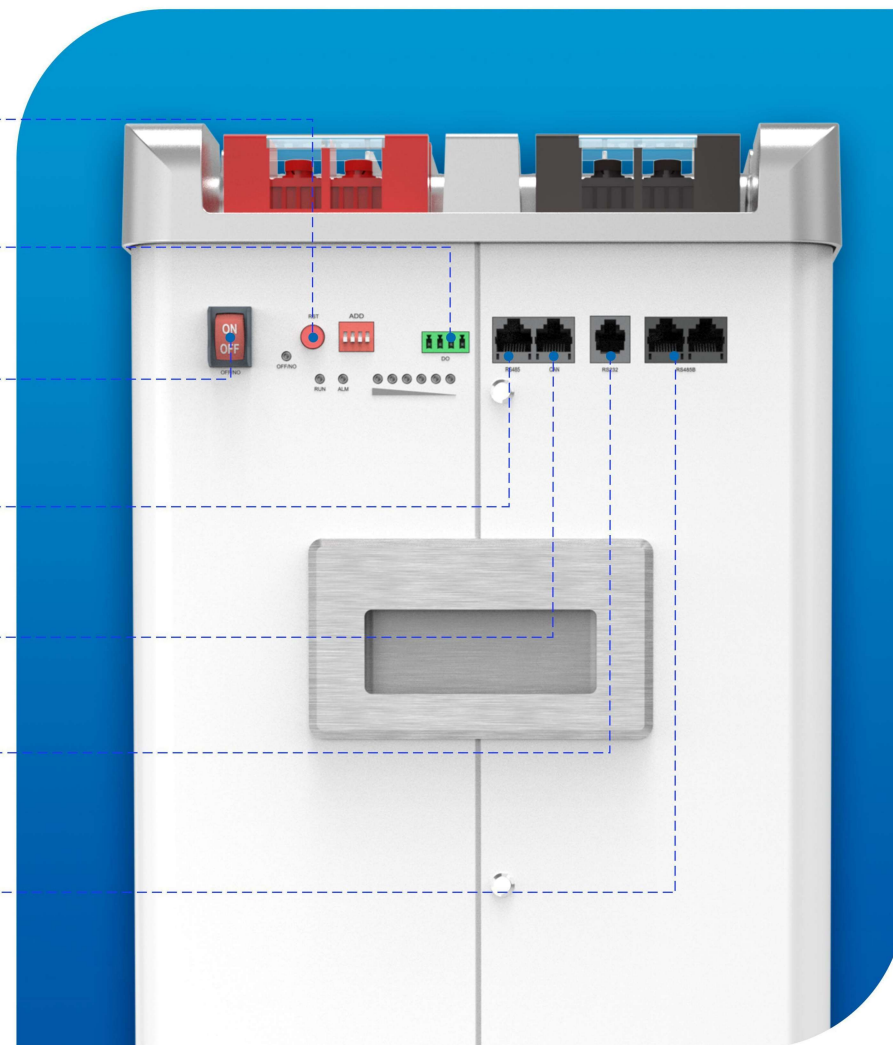
250

462

521

RST

DO

SWITCH

RS485

CAN

RS232

RS485B

AC output

DC input

Air conditioning

lamp

PC

Induction

TV

SMART-BCT-V-48-100(P)

LiFePO4 Battery Pack

Storing the power from the solar panel, to be used as reserve power or emergency power supply. At night or at the time of power outage, it can supply the power to electrical appliances by using the stored energy, to avoid the inconvenience caused by power outage, so that you can calmly deal with the situation of power outages.

SMART-BCT-V-48-100 (P)
LiFePO₄ Battery Pack

SMART-BCT-V-48-100(P)

Basic Specifications	
Cell Type	LiFePO₄ Battery/LFP
Nominal Capacity	100Ah
Nominal Voltage	48V （51.2V）
Electricity (kWh)	5.12kWh
Rated Current	100A

Battery	
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	<1C
Cycle Life	> 6000 times (< 0.5C)

Other	
Certification Standards	UN38.3/CE/MSDS/DGM
Warranty	5 years
Product Size	462(±2)×250(±2)×521(±2)mm
Package Size	550(±2)×333(±2)×601(±2)mm
Parallel	Up to 15 pcs

Clean energy

Storing energy

Household appliances

SMART-BCT-V-48-100(P)
LiFePO₄ Battery Pack

For no city power areas, the battery pack can be charged by solar panels and used for night lighting; For the areas that city power is expensive, the battery pack can be charged during the electricity valley value period, and used at the peak power period; For the areas which power off from time to time, the battery pack can be used as UPS, to avoid information loss caused by sudden power outage. The battery pack is applicable to commercial lighting, industrial lighting, home lighting, outdoor lighting, camping tourism, farming, planting, the night market stalls, etc.

Charging Overvoltage Protection

Discharge Undervoltage Protection

Charging Overcurrent Protection

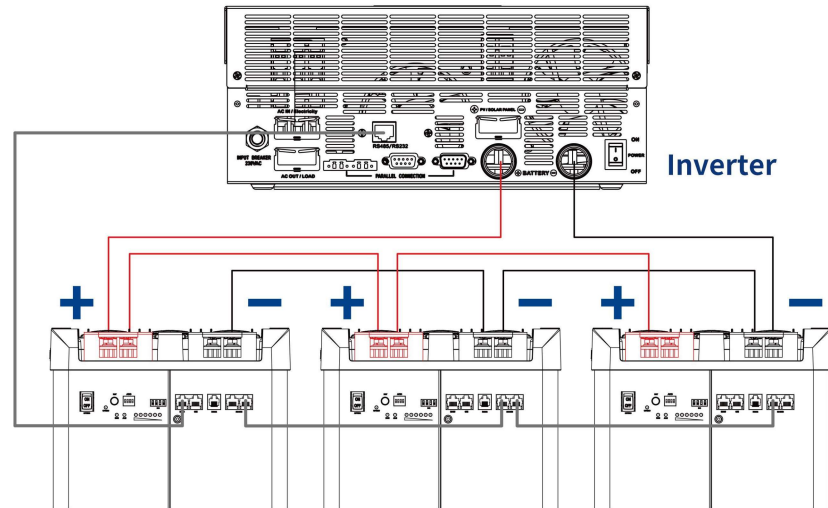Discharge Overcurrent Protection

Short Circuit Protection

Temperature Protec

SMART-BCT-V-48-100(P)

LiFePO4 Battery Pack

1.Multiple batteries connect to one inverter

Inverter

2.Multiple batteries are connected to multiple inverters

Inverter