solar Great

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

## LiFePO4 Battery Pack

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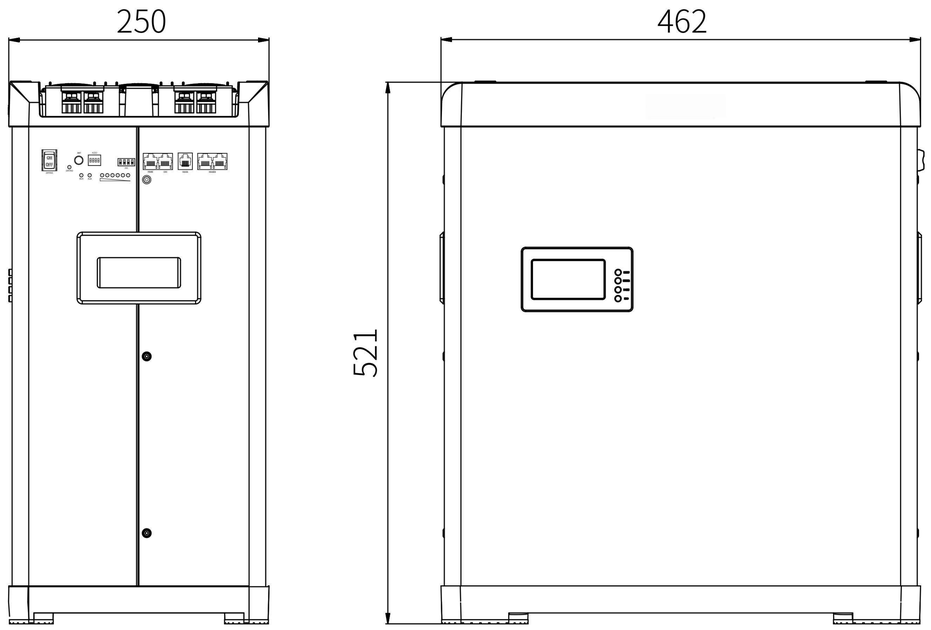
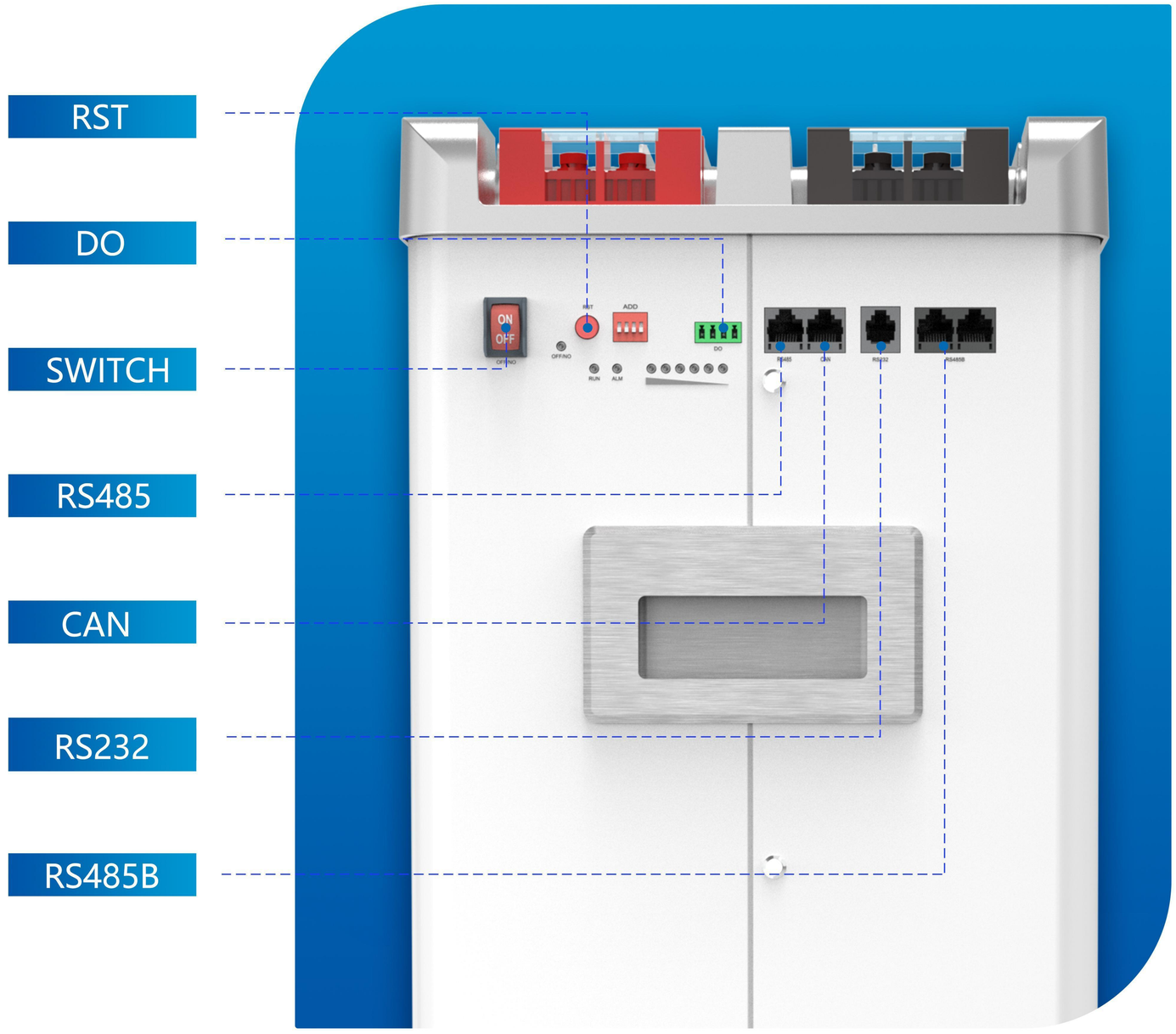
## LiFePO4 Battery Pack



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

### LiFePO4 Battery Pack

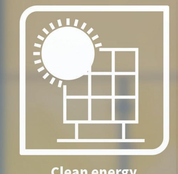
Storing the power from the solar panel, to be used as reserve power or emergency power supply. At night or at the time of power outage, it can supply the power to electrical appliances by using the stored energy, to avoid the inconvenience caused by power outage, so that you can calmly deal with the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



## 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

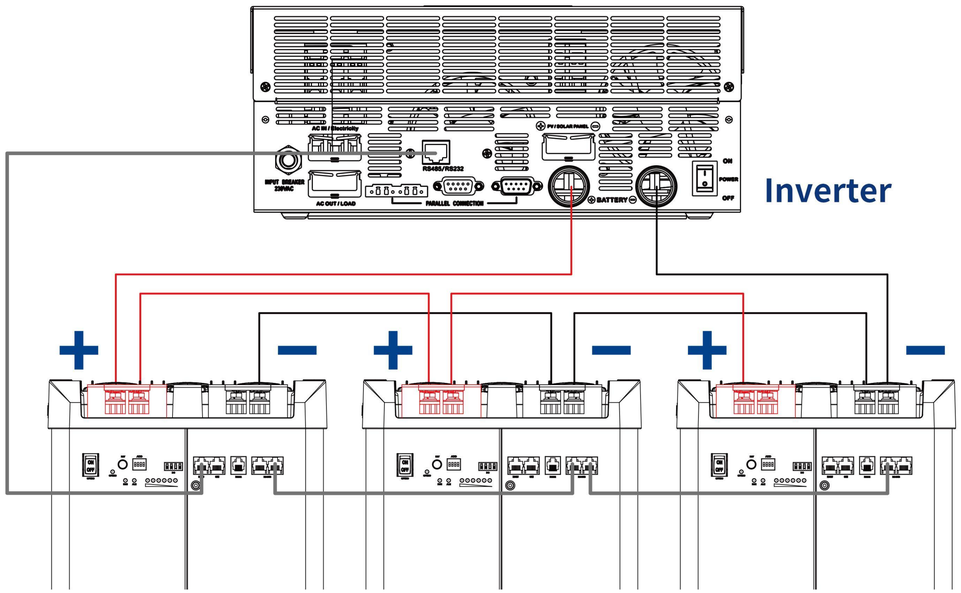
# SMART-BCT-V-48-100(P)

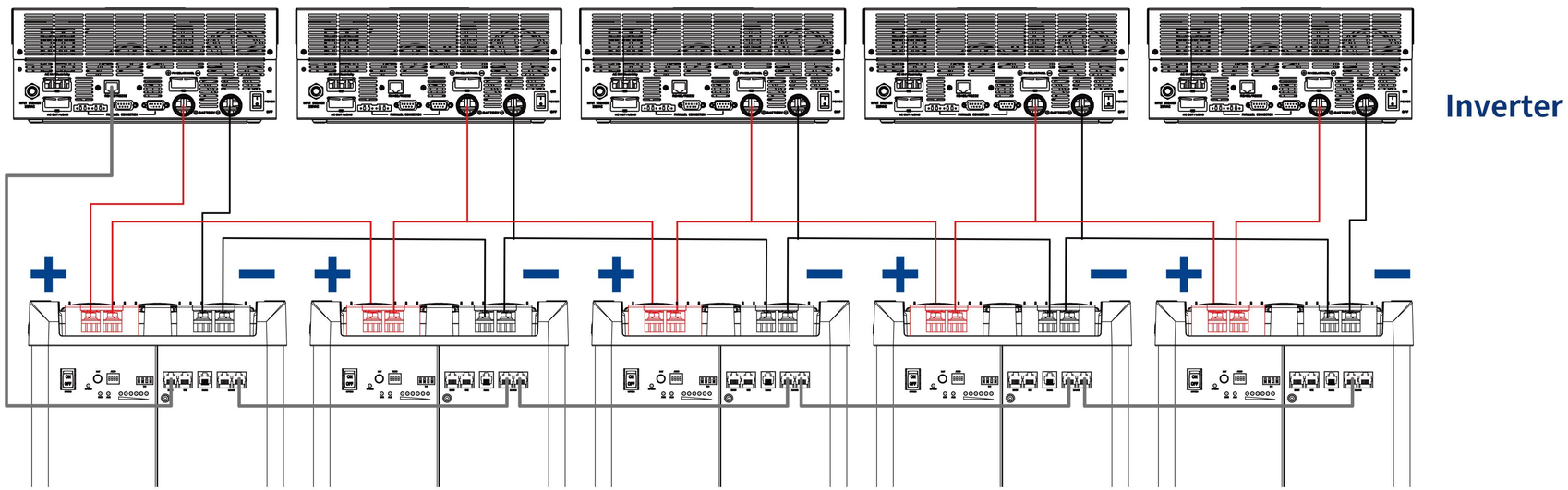
## LiFePO4 Battery Pack

**Up to 15 groups can be connected in parallel**

- Positive pole connecting line
- Negative electrode connection line
- Communication line

1.Multiple batteries connect to one inverter




2.Multiple batteries are connected to multiple inverters