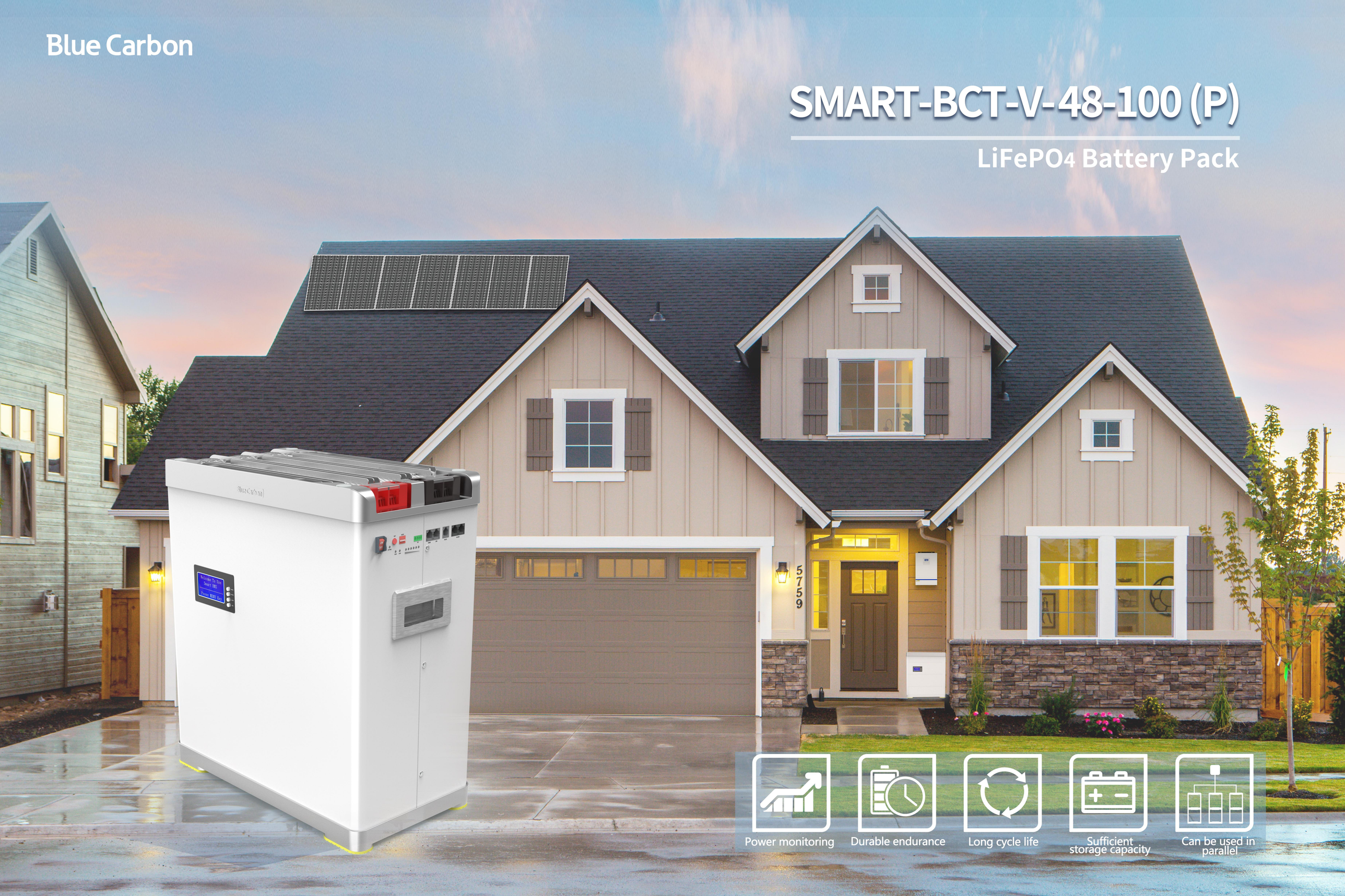
Blue Carbon

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

LiFePO4 Battery Pack



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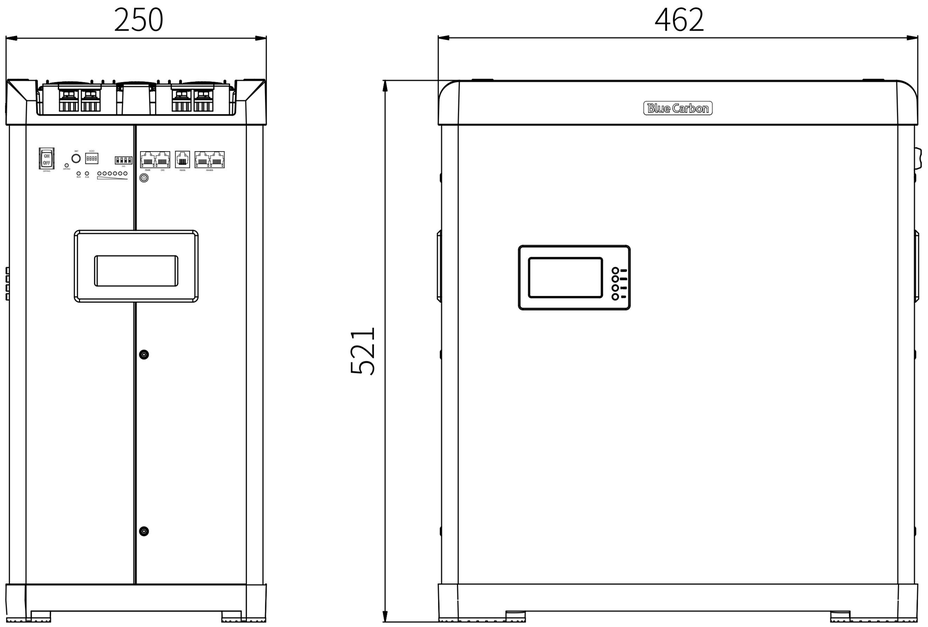

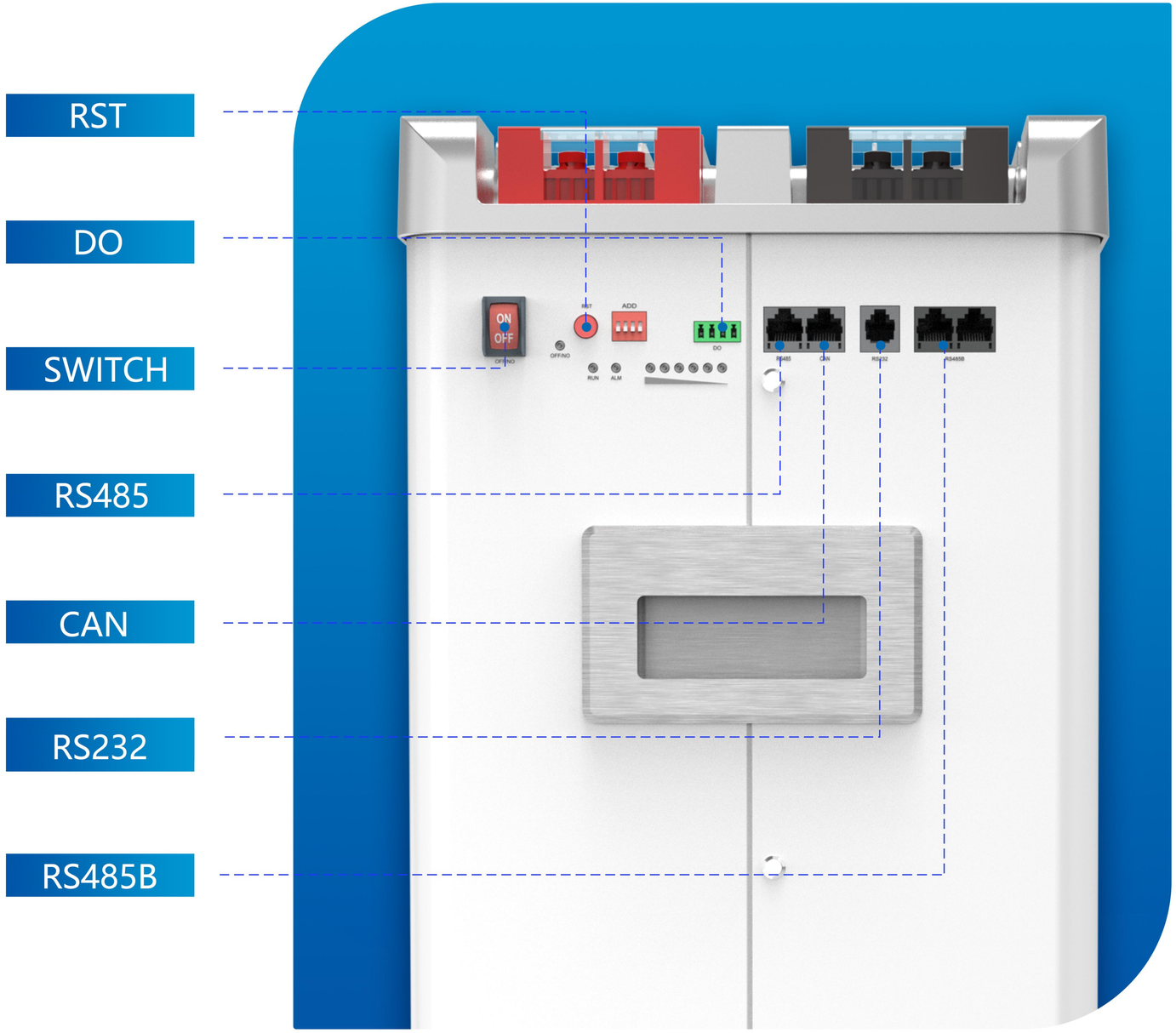

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SMART-BCT-V-48-100(P)

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.

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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

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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

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Blue Carbon, Micro-Energy Storage System Solution Supplier!

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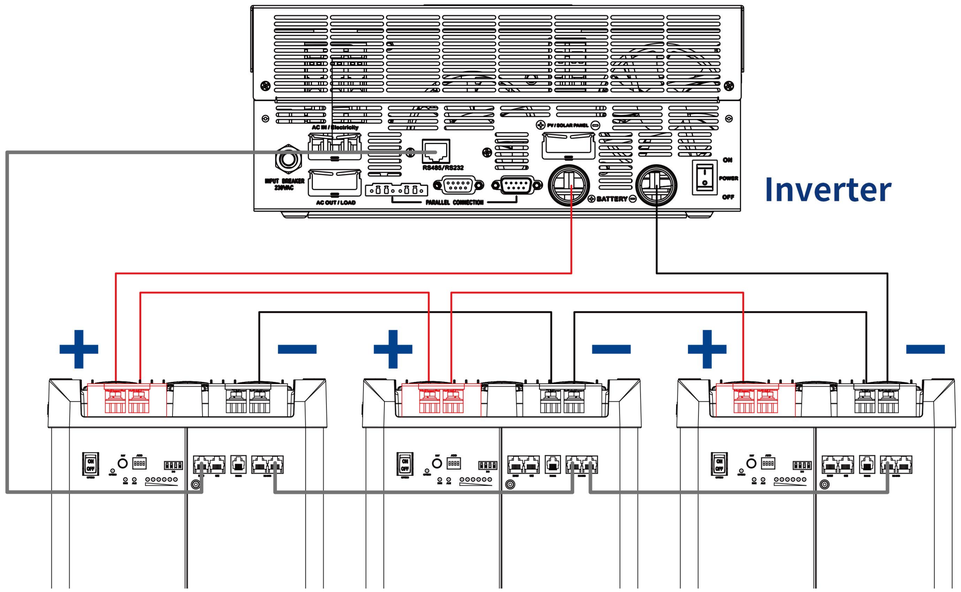
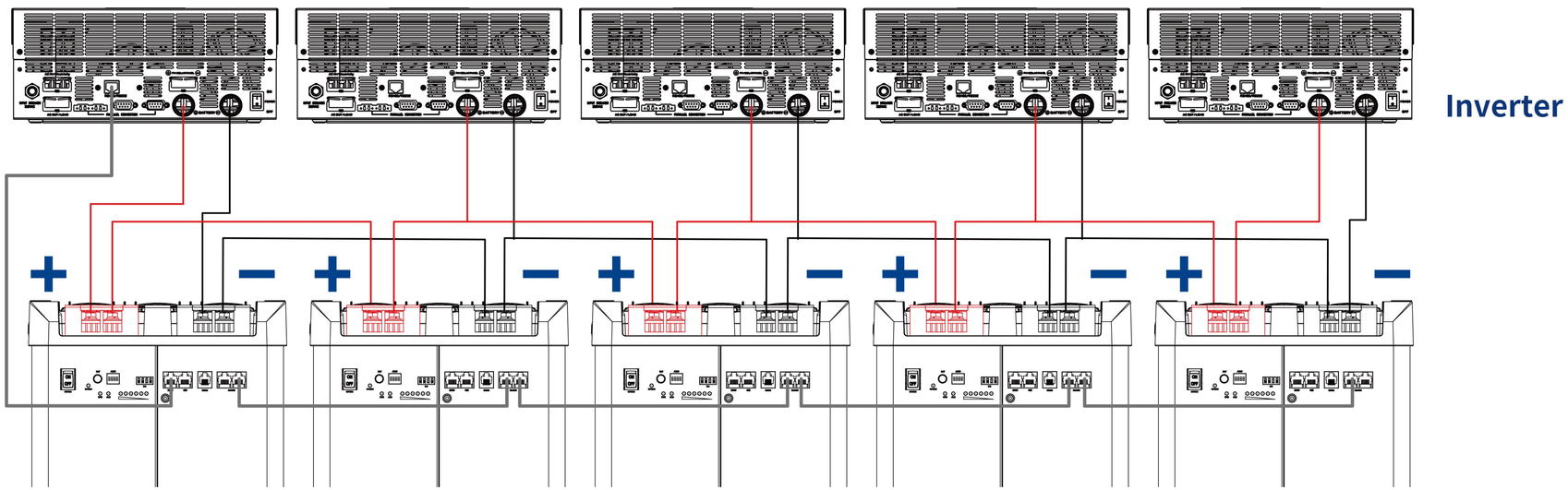
SMART-BCT-V-48-100(P)

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