

Blue Carbon

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

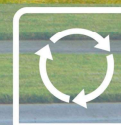
LiFePO<sub>4</sub> Battery Pack



Power monitoring



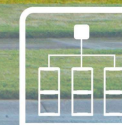
Durable endurance



Long cycle life



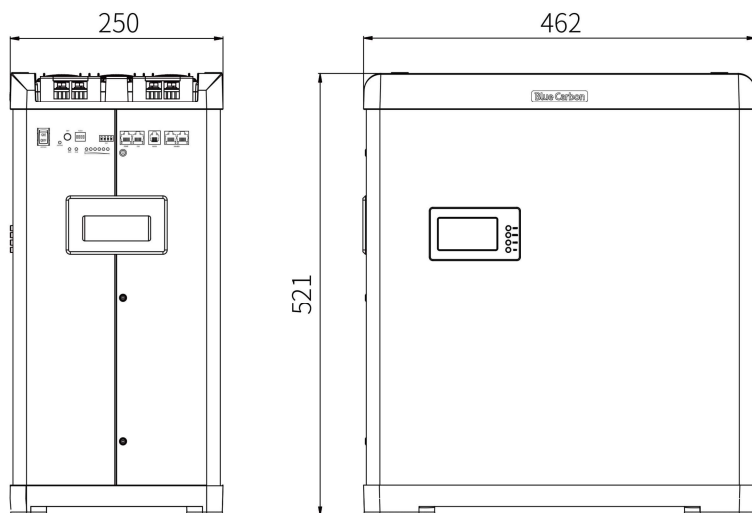
Sufficient  
storage capacity



Can be used in  
parallel

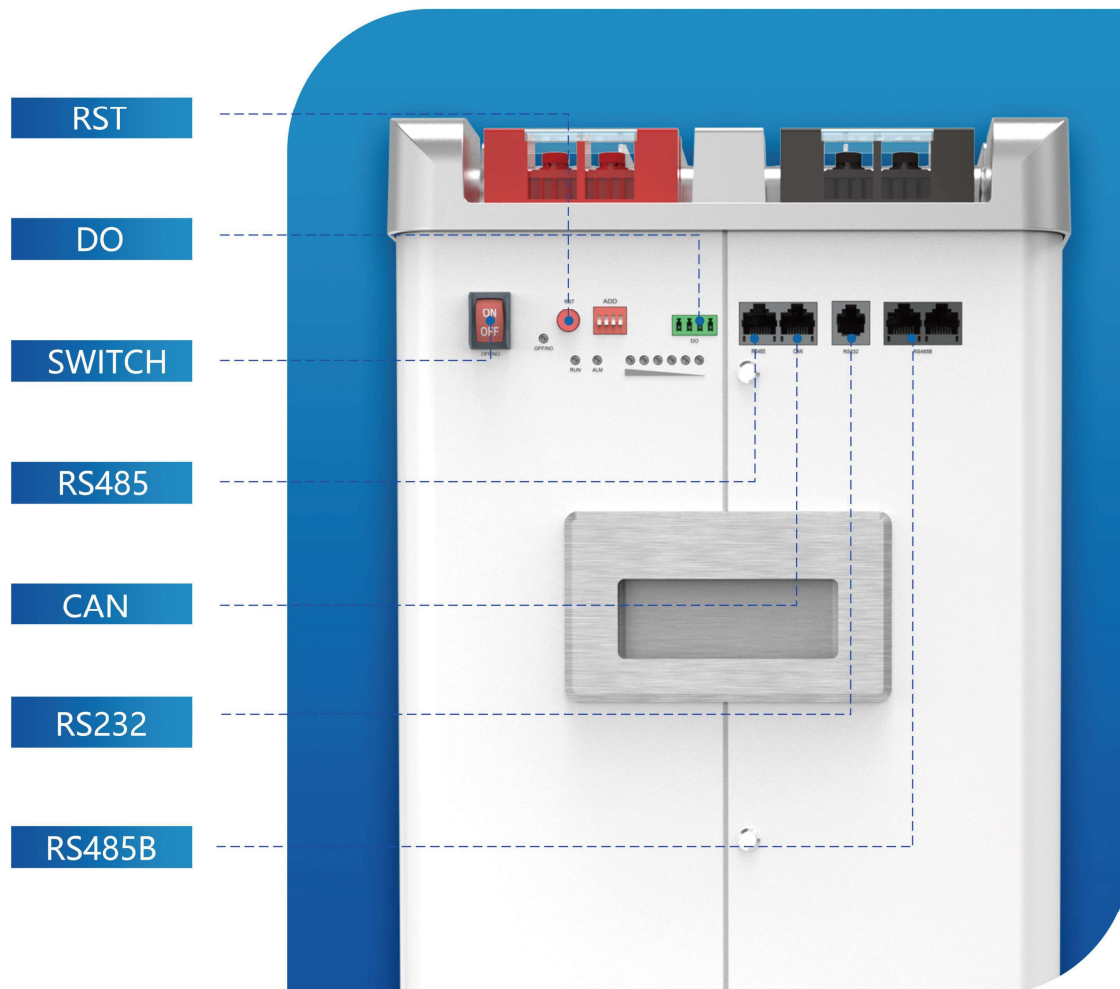


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# SMART-BCT-V-48-100(P)

## LiFePO4 Battery Pack



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

### LiFePO<sub>4</sub> Battery Pack



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

##### Basic Specifications

Cell Type	LiFePO <sub>4</sub> 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	10 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)

### LiFePO<sub>4</sub> 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  
tion



+86 400-061-7071

[www.bluecarbontech.com](http://www.bluecarbontech.com)

31st Floor, Building A, International Fortune Center,  
Rizhao City, Shandong Province, China

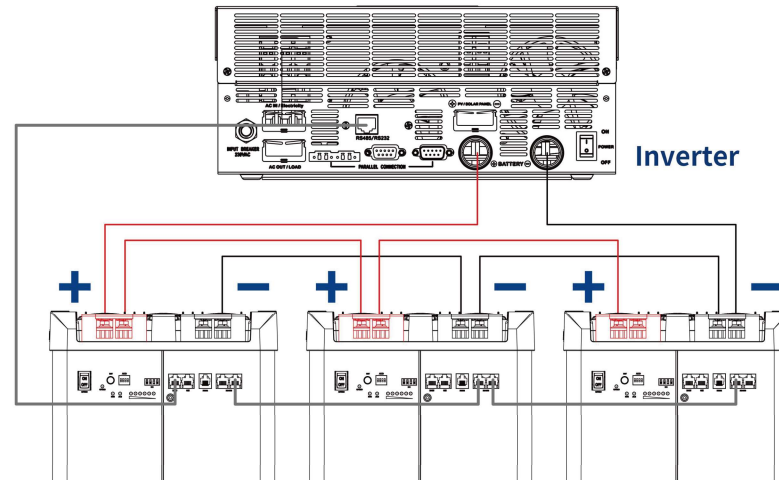
Blue Carbon, Micro-Energy Storage System Solution Supplier!

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

## LiFePO<sub>4</sub> Battery Pack

1. Multiple batteries connect to one inverter



Up to 15 groups can be connected in parallel

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

2. Multiple batteries are connected to multiple inverters

