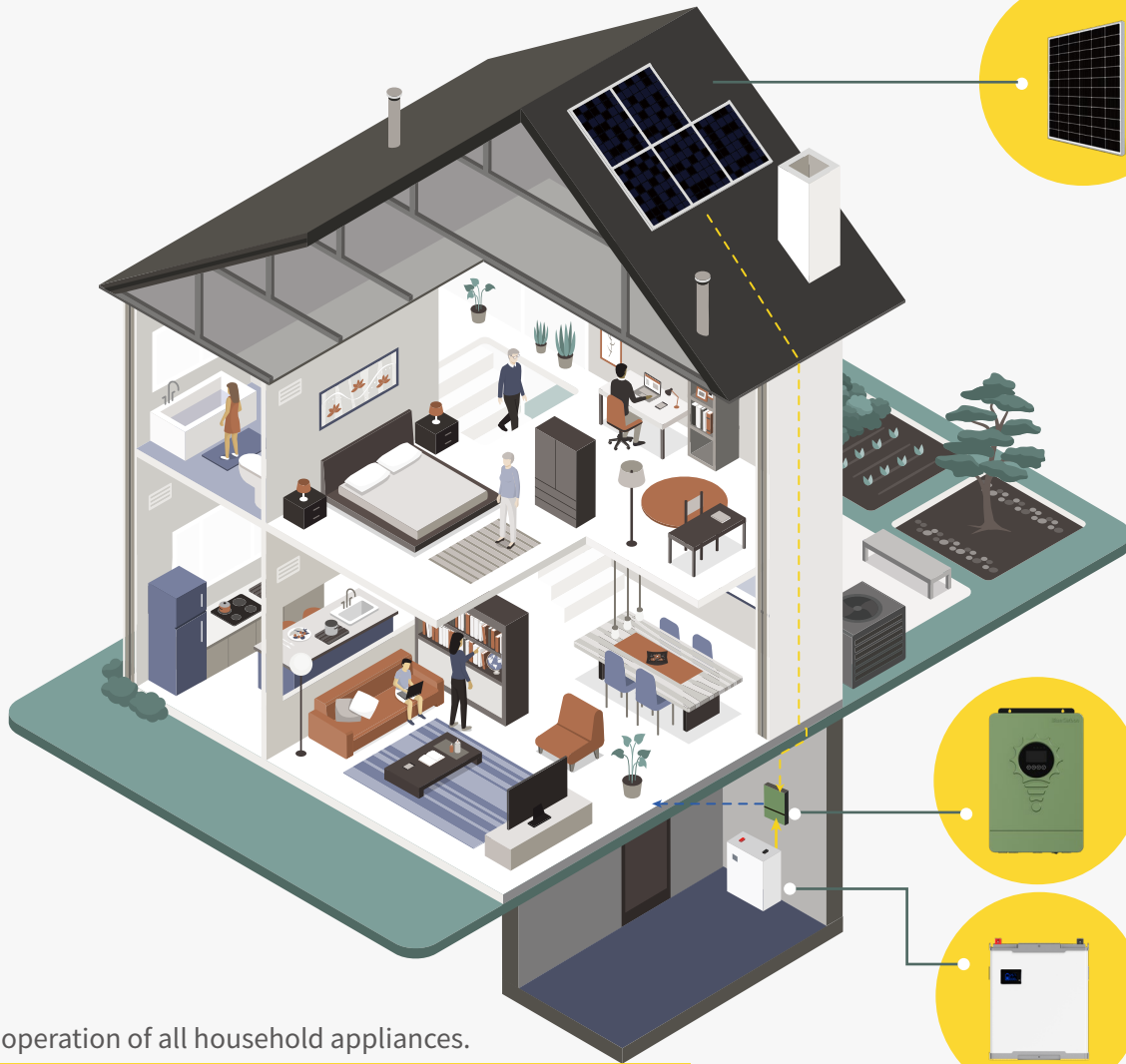


Blue Carbon



300W Mono Solar Panel

Blue Carbon 4KW Inverter

Blue Carbon 24V-200/250/300Ah LiFePO4 Battery

Meet the operation of all household appliances.

Ensuring Household Power Supply

BCT-B6-V24-200/250/300(LFP)

INVERTER BOX

(Power Generation-Storage-Inverter BOX)

INVERTER BOX is mainly composed of solar panel, energy storage battery and inverter. As an off-grid system which operates independently, and integrates power generation, storage and inversion. It can be charged by solar panel, store the solar energy in the battery, and convert it into AC current through the inverter to provide power to the load, which solves the problem of electricity in the areas without power supply electricity is not convenient areas, electricity of cut off areas. Which has a wide range of application scenarios and it is not affected by the State Grid. It is a home-based power supply solution system.



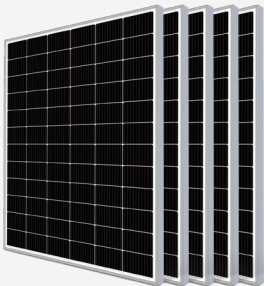
PRODUCT INTRODUCTION

- High efficiency.
- High transmission tempered glass.
- Durable anodized aluminum frame.
- Efficient protection from frame deformation and water accumulation.
- Rugged design to withstand high wind pressure and snow load, easy installation.

Solar Panel

| | |
|-------------------------------------|--------|
| Open-Circuit Voltage (Voc) [V] | 49.18V |
| Optimum Operating Voltage (Vmp) [V] | 43.49V |
| Short-Circuit Current (Isc) [A] | 7.61A |
| Optimum Operating Current (Imp) [A] | 6.90A |
| Component Efficiency[%] | 22.1% |

* A maximum of 8pcs 300W solar panels can be connected in series. In the case of high power consumption during the daytime, additional solar panels can be installed by our engineering company, or by yourself in accordance with the specified quantity our technician suggested. Otherwise we will not be responsible for any equipment damage caused by self-installation.



300W

Mono-crystalline Silicon Solar Panel



24V/200Ah/250Ah/300Ah
Blue Carbon LiFePO4 Battery

- High quality aluminium magnesium alloy, anti-corrosion, substantial, durable, artistic, practical.
- All in one mould design and production, easy to install.
- With longer span life LiFePO4 battery, ensure the whole set products' life span.
- Dustproof structure design, DC output, safe and reliable.
- Integrated packaging, safe and convenient to transport.

LiFePO4 Battery

| | |
|------------------|------------------------|
| Nominal Voltage | 24V |
| Nominal Capacity | 200Ah/250Ah/300Ah |
| Electricity(kWh) | 5.12kWh/6.4kWh/7.68kWh |

This is a multifunctional solar inverter, integrated with a MPPT solar charge controller, a high frequency pure sine wave inverter and a UPS function module in one machine, which is perfect for off grid backup power and self-consumption applications. This inverter can work with or without batteries

Inverter

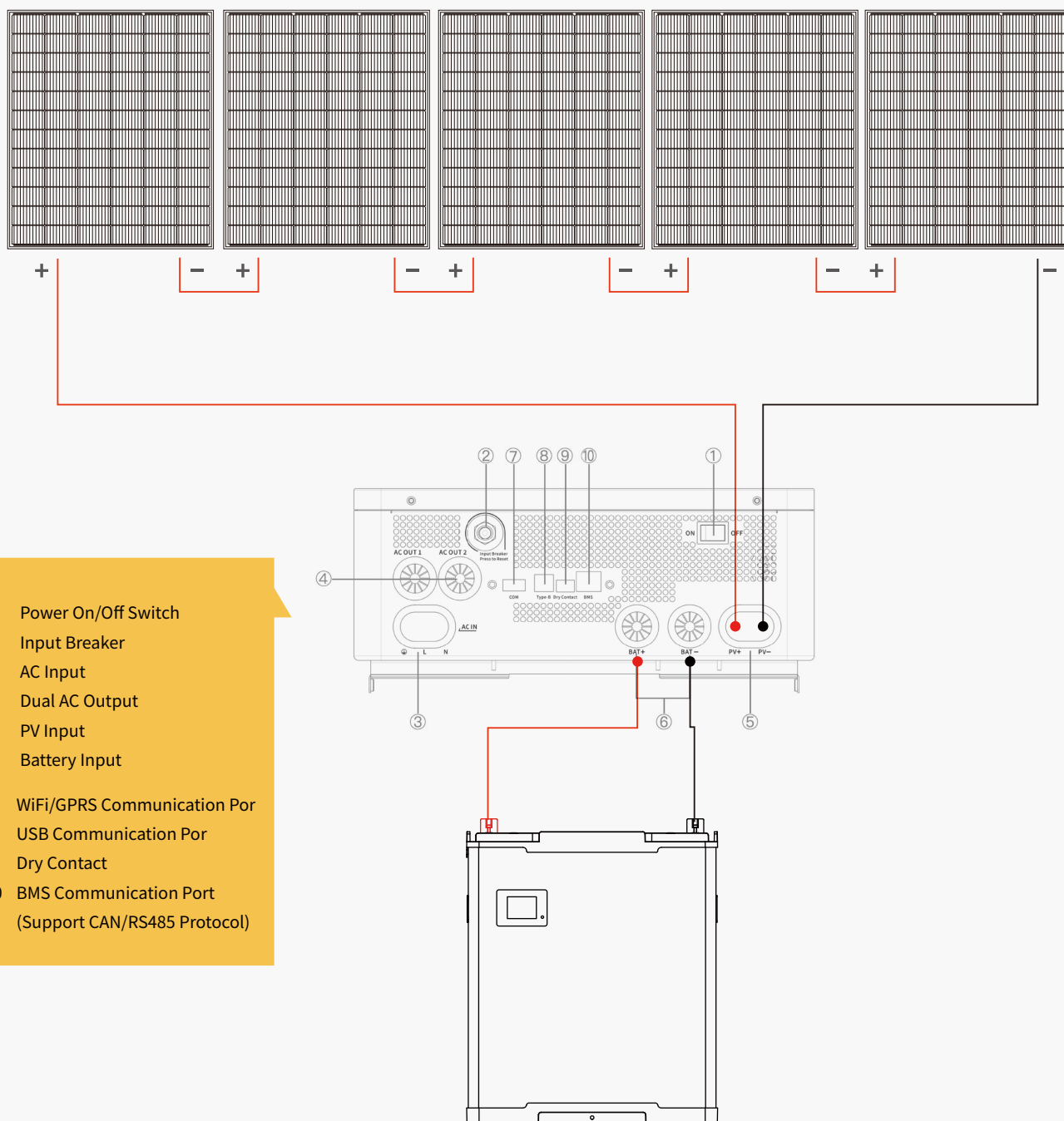
| | |
|---------------------------|--|
| Rated Input Voltage (VAC) | 208/220/230/240;L+N+PE |
| Voltage Range (VAC) | 90~280±3(normal mode);170~280±3 (UPS mode) |
| Frequency (Hz) | 50/60 (Auto Adaptive) |
| Max Power (kw) | 4kW |
| Frequency | 50/60Hz±0.1% |
| Wave Form | Pure Sine Wave |
| Rated Voltage (VDC) | 24 |

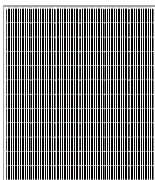









4kW

Blue Carbon Inverter

SYSTEM CONNECTION DIAGRAM



| PRODUCT CATALOG | | | | | |
|-----------------------------|---|---|------------------------|-----------|----------|
| Product Name | Product Display | Basic Information | | Unit | Quantity |
| 300W Monomorph Solar Panel |  | Open-Circuit Voltage (Voc) [V] | 49.18V | pc | 5 |
| | | Optimum Operating Voltage (Vmp) [V] | 43.49V | | |
| | | Short-Circuit Current (Isc) [A] | 7.61A | | |
| | | Optimum Operating Current (Imp) [A] | 6.90A | | |
| | | Component Efficiency[%] | 22.1% | | |
| Blue Carbon LiFePO4 Battery |  | Nominal Voltage | 24V | pc | 1 |
| | | Nominal Capacity | 200Ah/250Ah/300Ah | | |
| | | Electricity(kWh) | 5.12kWh/6.4kWh/7.68kWh | | |
| Blue Carbon Inverter |  | Max Power (kw) | 4kW | pc | 1 |
| | | Frequency | 50/60Hz±0.1% | | |
| | | Wave Form | Pure Sine Wave | | |
| | | Rated Voltage (VDC) | 24 | | |
| Solar Panel Bracket |  | Solar Panel Mounting System (Including installation accessories) | | set | 1 |
| PV Connectors MC4 Plug |  | 25A/1500V | | set | 1 |
| Solar Cable |  | 2.5mm² PV Cable | | m | 100 |
| Silicone Wire |  | 4AWG 21.2mm² Silicone Wire | | 100m/coil | 2 |
| Accessory Kit |  | Allen Key×1 Peep Hole Copper Terminal 16-8×2 | | set | 1 |

Blue Carbon

PRODUCT INTRODUCTION

