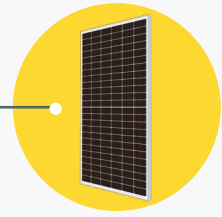
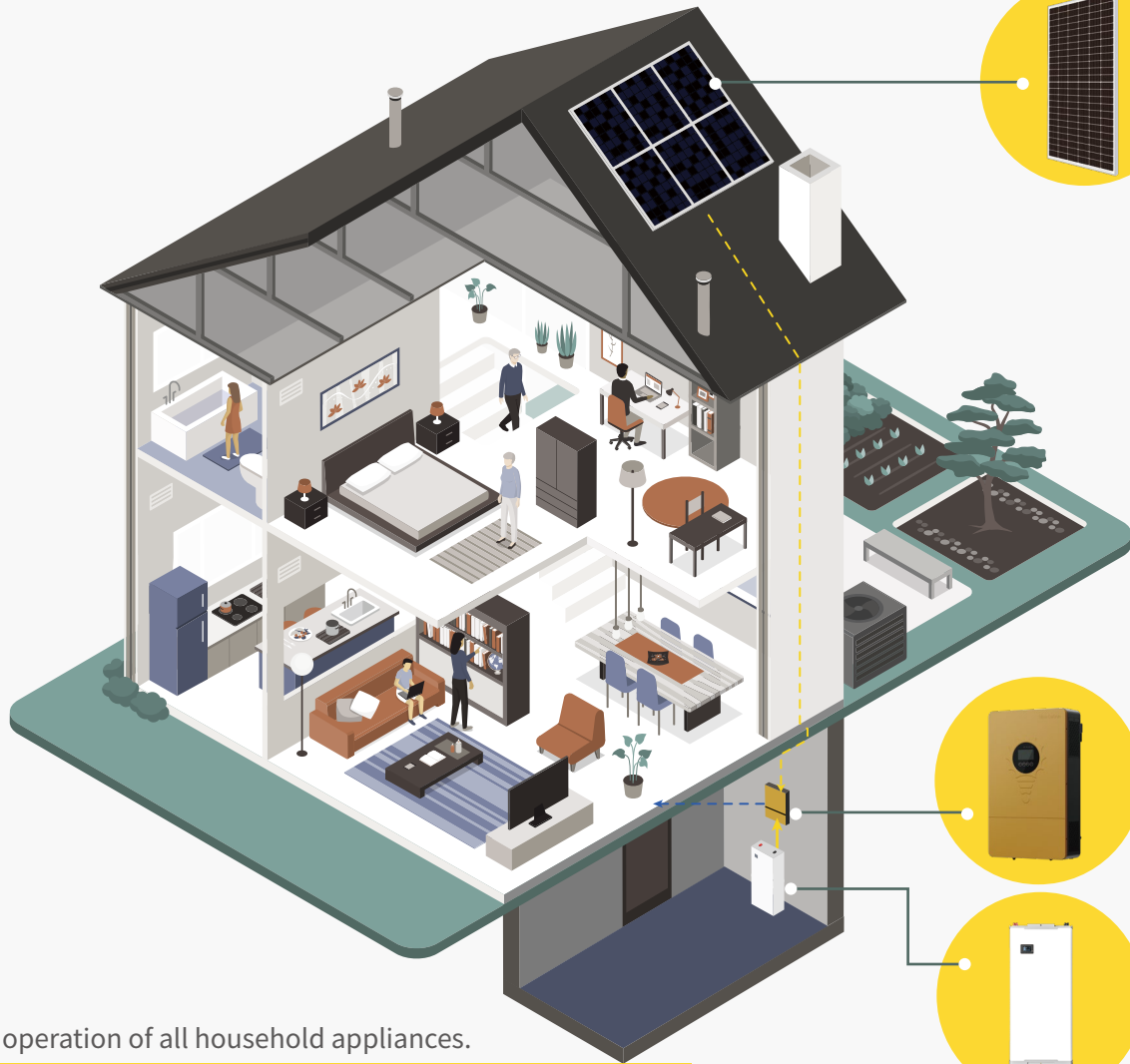
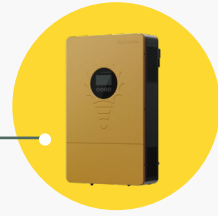


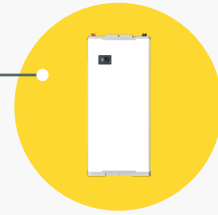
Blue Carbon



550W Mono
Solar Panel



Blue Carbon
6KW Inverter



Blue Carbon
48V-200/250/300Ah
LiFePO₄ Battery

Meet the operation of all household appliances.

Ensuring Household Power Supply

BCT-B6-V48-200/250/300(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.



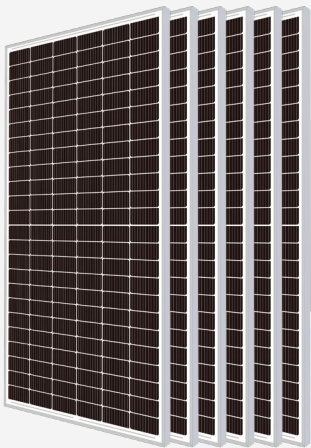
PRODUCT INTRODUCTION

- 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]	49.68V
Optimum Operating Voltage (Vmp) [V]	44.14V
Short-Circuit Current (Isc) [A]	13.50A
Optimum Operating Current (Imp) [A]	12.46A
Wafer Efficiency[%]	23.3%

* A maximum of 8pcs 550W 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.



550W

Mono-crystalline Silicon Solar Panel



48V/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	48V
Nominal Capacity	200Ah/250Ah/300Ah
Electricity(kWh)	10.24kWh/12.8kWh/15.36kWh

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

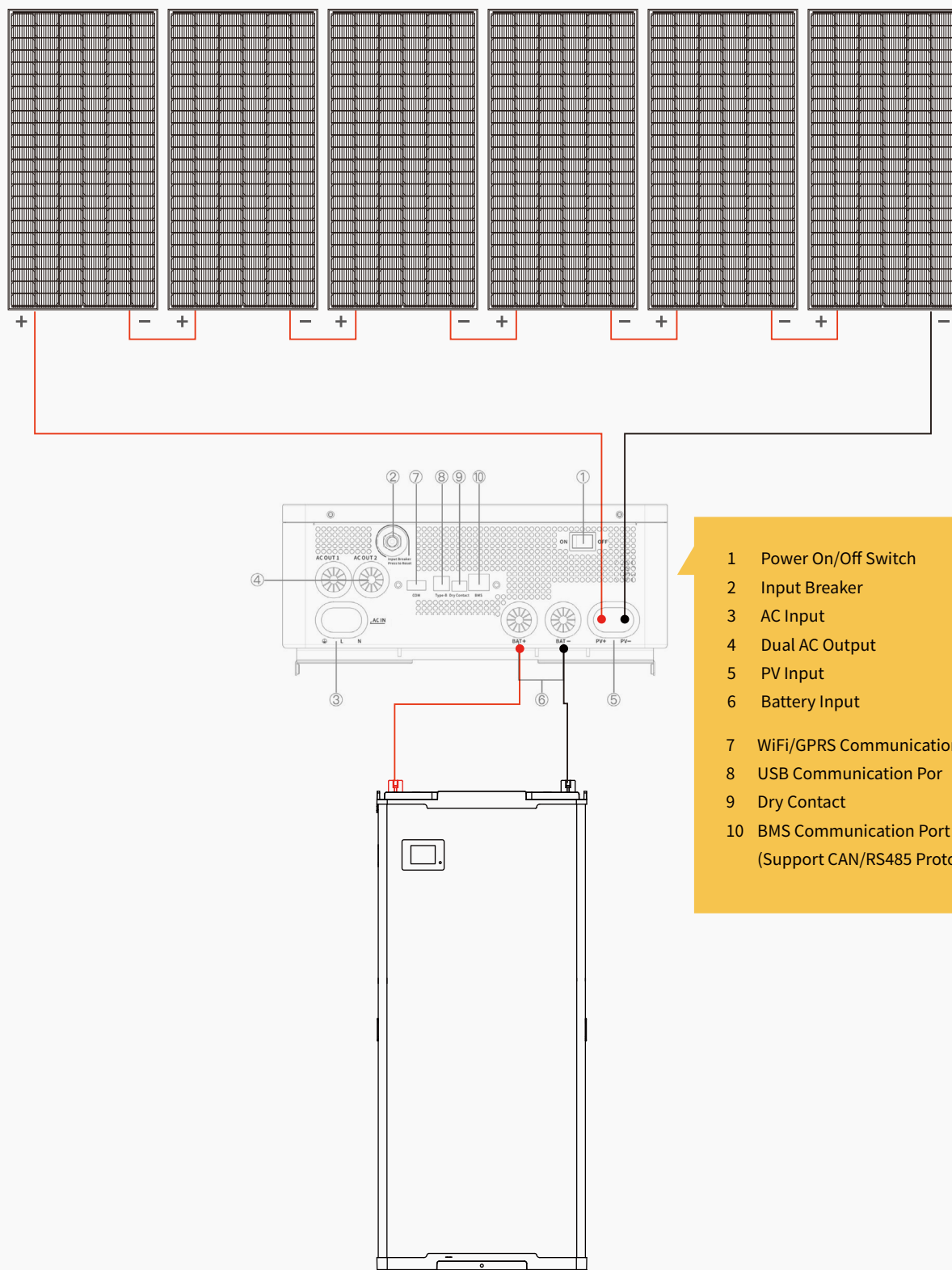
Rated Input Voltage (VAC)	208/220/230/240;L+N+PE
Voltage Range (VAC)	90~280±3(normal mode);170~280±3 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
Rated Capacity (kw)	6kW
Frequency	50/60Hz±0.1%
Wave Form	Pure Sine Wave
Battery Rated Voltage (VDC)	48



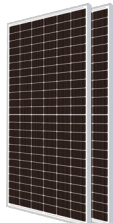
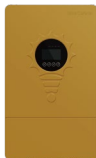
6kW

Blue Carbon Inverter

SYSTEM CONNECTION DIAGRAM



- 1 Power On/Off Switch
- 2 Input Breaker
- 3 AC Input
- 4 Dual AC Output
- 5 PV Input
- 6 Battery Input
- 7 WiFi/GPRS Communication Por
- 8 USB Communication Por
- 9 Dry Contact
- 10 BMS Communication Port
(Support CAN/RS485 Protocol)

PRODUCT CATALOG						
Product Name	Product Display	Basic Information		Unit	Quantity	
550W Monomorph Solar Panel		Open-Circuit Voltage (Voc) [V]		49.68V	pc	6
		Optimum Operating Voltage (Vmp) [V]		44.14V		
		Short-Circuit Current (Isc) [A]		13.50A		
		Optimum Operating Current (Imp) [A]		12.46A		
		Wafer Efficiency[%]		23.3%		
Blue Carbon LiFePO4 Battery		Nominal Voltage		48V	pc	1
		Nominal Capacity		200Ah/250Ah/300Ah		
		Electricity(kWh)		10.24kWh/12.8kWh/15.36kWh		
Blue Carbon Inverter		Rated Capacity (kw)		6kW	pc	1
		Frequency		50/60Hz±0.1%		
		Wave Form		Pure Sine Wave		
		Battery Rated Voltage (VDC)		48		
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	

PRODUCT INTRODUCTION

