

# Blue Carbon

## Solar Inverter

6500W Inverter

Both Off-grid and On-grid Mode



Built-in 120A solar charger



Wide PV Input Voltage Range 60-500V



Detachable Dust Cover



Lithium Battery Activation

BMS

Support Lithium/Lead-acid Battery



WiFi monitoring (optional)



27A MAX PV Input

DUAL

Dual AC Output

**BCT-FXC-6.5KW**

BLUE CARBON TECHNOLOGY INC.

# Specifications

## ◇ MODEL BCT-FXC-6.5KW

◇ <b>AC INPUT</b>	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)
◇ <b>AC OUTPUT</b>	Rated Capacity (kw)	6.5
	Surge Power (kVA)	12
	Voltage (VAC)	208/220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	Previous continuous load < 2.5kW:1 5min@ 102%~108% load;1min@ 108%~120% load 10s@ >120% load Or: 1min@ 102%~120% load;10s@ >120% load
	Max. Efficiency (Battery Mode)	94%@48VDC
	Parallel Quantity	NA
◇ <b>CHARGER (PV / AC)</b>	Solar Charger Type	MPPT
	Max PV Input Current / input Power	27A/9000W
	MPPT Range@Operating Voltage (VDC)	60~450
	Max PV Open Circuit Voltage (VDC)	500
	Max PV Charge Current (A)	120
	Max AC Charge Current (A)	120
	Max. Charge Current (PV + AC)(A)	120
◇ <b>BATTERY</b>	Rated Voltage (VDC)	48
	Floating Charge Voltage (VDC)	54
	Overcharge Protection (VDC)	61
	Battery Type	Lithium and Lead -acid
◇ <b>INTERFACE</b>	HMI	LCD
	Interface	RS232/RS485/CAN
	Monitoring	WiFi (Optional: None/ Internal / External)
◇ <b>GENERAL DATA</b>	Ingress Protection	IP21
	Operating Temperature	-10°C~60°C
	Relative Humidity	5%~95% (Non-condensing)
	Storage Temperature	-15°C~60°C
	Net Weight (kg)	8.4
	Dimensions (W*H*D)	394*326*110mm(without bracket)
	Max.Operating Altitude	4000m (Derating above 1000m)