

# Blue Carbon

## Solar Inverter

4000W Inverter

Both Off-grid and On-grid Mode



Built-in 100A solar charger



Wide PV Input Voltage Range 60~450V



Detachable Dust Cover



Lithium Battery Activation

BMS

Support Lithium/Lead-acid Battery



WiFi monitoring (optional)

DUAL

Dual AC Output

**BCT-FXC-4KW**

BLUE CARBON TECHNOLOGY INC.

# Specifications

## ◇ MODEL BCT-FXC-4KW

◇ <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)	4
	Surge Power (kVA)	7.2
	Voltage (VAC)	208/220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10 (normal mode) / 20 (UPS mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150%load; 0.2s@>150% load
	Max. Efficiency (Battery Mode)	92.7%@24VDC
	Parallel Quantity	NA
◇ <b>CHARGER (PV / AC)</b>	Solar Charger Type	MPPT
	Max PV Input Current / input Power	18A/5000W
	MPPT Range@Operating Voltage (VDC)	40-450
	PV Start-up Voltage(VDC)	60
	Max PV Open Circuit Voltage (VDC)	500
	Max PV Charge Current (A)	100
	Max AC Charge Current (A)	100
	Max. Charge Current (PV + AC)(A)	100
◇ <b>BATTERY</b>	Rated Voltage (VDC)	24
	Floating Charge Voltage (VDC)	27
	Overcharge Protection (VDC)	30.5
	Battery Type	Lithium and Lead -acid
◇ <b>INTERFACE</b>	HMI	LCD
	Interface	RS485 /RS232 / 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)	6.2
	Dimensions (W*H*D)	420*284*94mm(without bracket)
	Max.Operating Altitude	4000m (Derating above 1000m)