Blue Carbon

Single Phase Hybrid inverter

12000W Inverter



- Built-in 160A solar charger
- Wide PV Input Voltage Range 60-500V
- Detachable Dust Cover
- Lithium Battery Activation
- Feed-in to grid
- WiFi monitoring (optional)
- BMS — Support Lithium/ Lead-acid Battery
- DUAL — Dual AC Output
- 45 — 45A MAX PV Input
- Dual MPPTs Input

BCT-FXC-12KW

Specifications

MODEL BCT-FXC-12KW

AC INPUT	Rated Input Voltage (VAC)	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)
AC OUTPUT	Rated Capacity (kw)	12
	Surge Power (kVA)	24
	Voltage (VAC)	220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10(APP/UPS mode) 20(GEN mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	1min@102%~125%Load 10s@＞125%Load
	Max. Efficiency (Battery Mode)	94%@48VDC
	Parallel Quantity	NA
CHARGER (PV / AC)	Solar Charger Type	Dual MPPTs
	Max PV Input Current / input Power	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per MPPT, 15kW/Total
	MPPT Range@Operating Voltage (VDC)	60-450
	Max PV Open Circuit Voltage (VDC)	500
	Max PV Charge Current (A)	160
	Max AC Charge Current (A)	160
	Max. Charge Current (PV + AC)(A)	160
BATTERY	Rated Voltage (VDC)	48
	Floating Charge Voltage (VDC)	54
	Overcharge Protection (VDC)	61
	Battery Type	Lithium and Lead -acid
INTERFACE	HMI	LCD
	Interface	RS232/RS485/CAN
	Monitoring	WiFi (Optional: None/ Internal / External)
GENERAL DATA	Ingress Protection	IP21
	Operating Temperature	-10°C~60°C
	Relative Humidity	5%~95% (Non-condensing)
	Storage Temperature	-15°C~60°C
	Net Weight (kg)	15
	Dimensions (W*H*D)	495*425*120mm(without bracket)
	Max.Operating Altitude	4000m (Derating above 1000m)

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