

Solar Hybrid Inverter

BCH 5500D / BDH 5500D / BDH3600D

FEATURES

- Pure sine wave output
- Wide PV input voltage range, high conversion efficiency
- Battery-free operation design
- 100A MPPT charging, can connect up to 7200W solar modules
- Battery equalization function to optimize battery
- Up to 9 units in parallel
- Micro grid tie operation
- Proprietary CC-BOOST function
- WIFI/Bluetooth optional



▲ BDH 5500D

▲ BDH 5500D

▲ BCH 5500D



TECHNICAL PARAMETERS

Model		BCH 5500D	BDH 5500D	BDH 3600D
INPUT	Rated Power	5500VA / 5500W	5500VA / 5500W	3600VA / 3600W
	Voltage	230 VAC	230 VAC	120 VAC
	Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)		90-140V
	Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT	AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		120VAC
	Surge Power	11000VA		7200W
	Efficiency (Peak)	90%~93%		86%~90%
	Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
	Waveform	Pure sine wave		
BATTERY	Battery Voltage	48 VDC	48 VDC	24 VDC
	Floating Charge Voltage	54 VDC	54 VDC	27 VDC
	Overcharge Protection	62 VDC	62 VDC	31 VDC
SOLAR CHARGER & CHARGER	Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC	310 VDC
	Maximum PV Array Power	7200 W	7200 W	6000 W
	MPP Range @ Operating Voltage	120~450 VDC	120~450 VDC	120~300 VDC
	Maximum Solar Charge Current	100 A	100 A	100 A
	Maximum AC Charge Current	80 A	80 A	80 A
	Maximum Charge Current	100 A	100 A	100 A
PHYSICAL	Dimension, L x W x H (mm)	448X316X118mm	395X395X118mm	395X395X118mm
	Net Weight (kgs)	10	10	10
	Communication Interface	RS-485(CAN is optional)		
ENVIRONMENT	Humidity	5% to 95% Relative Humidity (Non-condensing)		
	Operating Temperature	-10°C ~ 50°C		
	Storage Temperature	-15°C ~ 60°C		

Product specifications are subject to change without further notice.