

XTRA POWER HF SERIES HYBRID INVERTER

Hybrid Solar Inverter

HF PC Series support Parallel Connection

CBG-HF5KW-SGM-PCA

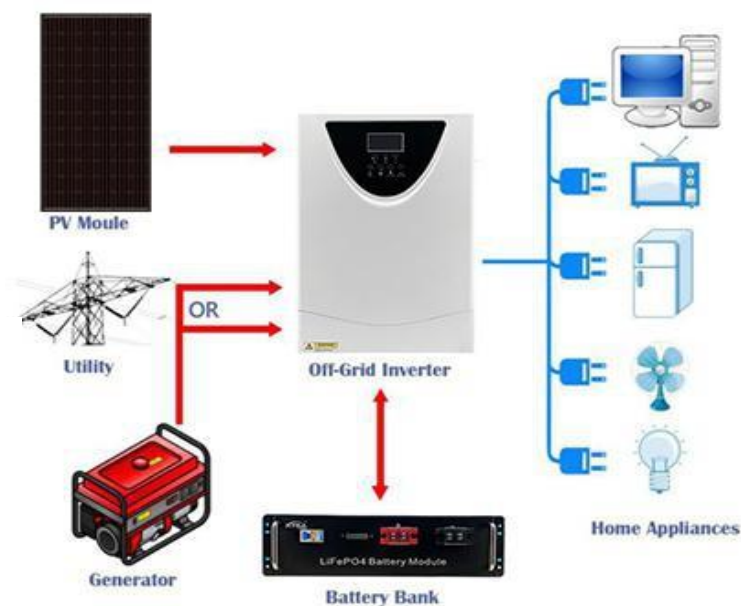
This is a multi functional off grid hybrid inverter, it combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Features:

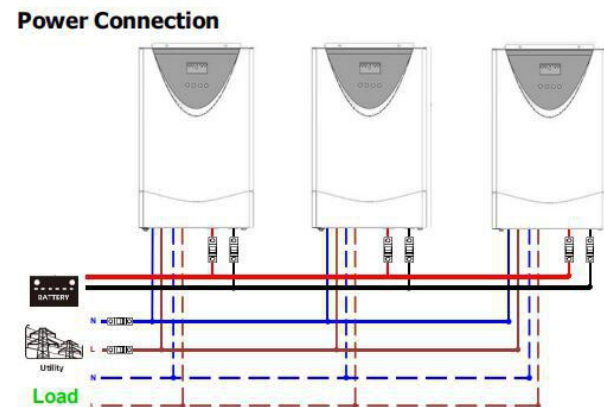
1. High efficiency pure sine wave inverter(PF=0.8);
2. Max. PV input 145Vdc with 80A MPPT Inbuilt;
3. Intelligent 3 stages 60A AC battery charger;
4. Surges to 2X continuous power for 5 seconds for motor loads;
5. Intelligent functionality enables utility and solar input prioritization;
6. Wide utility input range (90Vac-280Vac) for unreliable grid even in the most challenging environments;
7. Field serviceable with replacement boards and spare parts;
8. Monitor, troubleshoot, or communication with USB/RS232/WIFI;
9. This model Parallel connections supported up to 9 units to set as 45KVA system.



Solar System Connection



Three inverters in parallel:



Technical Specifications:

Model No.		CBG-HF5KW-SGM-PCA
Rated power		5000VA/4000W
Input	voltage	230VAC
	selectable voltage range	170-280VAC (for personal computers) 90-280VAC (for home appliances)
	Frequency range	50Hz/60Hz (auto sensing)
Output	AC voltage regulation (Batt.mode)	220/230/240 VAC ± 5% 50/60Hz setable
	Surge power (5 seconds)	10000VA
	efficiency (peak)	93%
	transfer time	10ms(for personal computers); 20ms (for home appliances)
	waveform	pure sine wave
	Battery & AC charger	battery voltage
floating charge voltage		54VDC
overcharge protection		62VDC
maximum charge current		60A
MAX PV array power		5000W
MPPT range@ operating voltage		60-115V
maximum PV array open circuit voltage		145VDC
MPPT charging current		80A
maximum efficiency		98%
Physical	standby power consumption	2W
	Dimension, D*W*H(mm)	130x300x450 Package Size 210x390x590
operating Environment	Net weight (kgs)	11 GW:13
	humidity	5%-95% relative humidity (non-condensing)
	operating temperature	0°C -55°C
	storage temperature	-15°C -60^

Approximate Back-Up Time Table:

Model	Load (VA)	Backup Time @48Vdc 100Ah(min)	Backup Time @48Vdc 200Ah(min)
XTHF5KVAPC	500	613	1288
	2500	90	215
	5000	40	90

Note: Product specifications are subject to change without further notice.