



PH5000 Series High Frequency On Grid Solar Inverter

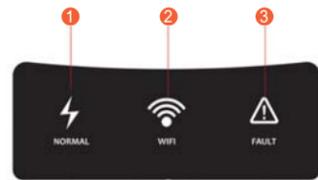
Feature:

- High Frequency On Grid Transformerless pure sine wave Solar Inverter
- MPPT efficiency up to 99.5%
- Euro-efficiency up to 97%
- Full protection function: over-voltage, over-frequency, over-current, over-temperature, and AC short-circuit automatic protection
- Multiple communications: USB, WIFI etc
- Monitoring inverters freely via mobile phones APP
- Fanless low-noise design
- IP65 Dust-Proof and Water-Proof

Introduction:

This inverter adopts cutting-edge technology in photovoltaic fields. Higher conversion efficiency and lower energy losses are guaranteed to maximize customer satisfaction. With its reliable power grid support management and high protective class, the PH5000 series is compatible with different types of branded solar panels and is also ideal for commercial rooftop systems. This safe and reliable series is the first choice for residential, commercial installations and power plants.

LCD Display Information



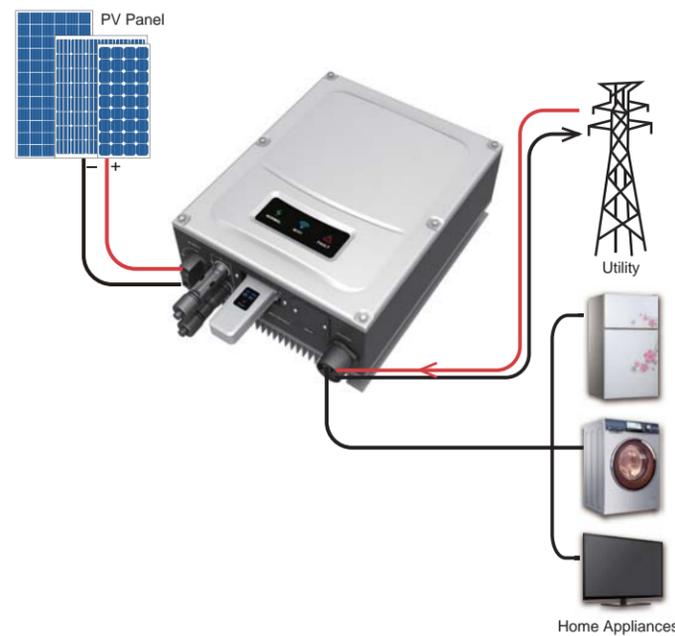
1. Normal display
2. Wifi display
3. Fault display



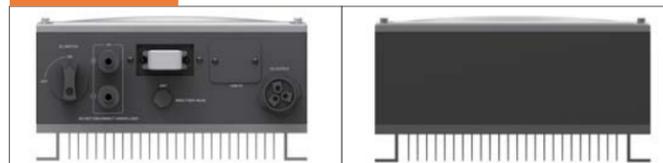
Back Panel

1. PV switch
2. PV input connector
3. Wifi connector
4. PC USB connector
5. AC connector

Solar System Connection



Back Panel



Specification

MODEL		PH50-3K	PH50-5K
RATED POWER(W)		3000	5000
PV INPUT(DC)	Maximum recommended DC power(W)	3450	5750
	Nominal DC operating voltage(V)	360	360
	Maximum DC voltage(V)	550	550
	MPPT voltage range(V)	100~550	100~550
	Maximum input current(A)	11	11/11
	Maximum short circuit current(A)	15	15/15
	No.of MPP tracker	1	2
	Strings per MPP tracker	1	1
INVERTER OUTPUT(AC)	Nominal AC output power(W)	3000	5000
	Nominal output voltage(V);range(V)	220/230/240;180-280	220/230/240;180-280
	AC grid frequency(Hz);range(Hz)	50/60;45~55/55-65	50/60;45~55/55-65
	Nominal output current(A)	13.1	21.8
	Maximum output current(A)	13.7	22.8
	Total harmonic distortion i(THDi)	<3%	<3%
	Power factor at rated power	1	1
	Displacement power factor	/	0.8leading~0.8lagging
EFFICIENCY	Maximum efficiency	97.5%	97.5%
	Euro-efficiency	97	97
	MPPT efficiency	99.5%	99.5%
	Standby losses(W)	<0.5%	<0.5%
PROTECTION DEVICES	DC switch rating for each MPPT	Yes	Yes
	Grid monitoring	Yes	Yes
	Output over current protection	Yes	Yes
	Output overvoltage protection-varistor	Yes	Yes
	Ground fault monitoring	Yes	Yes
	Integrated all-pole sensitive leakage current	Yes	Yes
GENERAL	Dimension(W/H/D)(mm)	259*320*138	355*375*176
	Net weight (kgs)	9.5kg	15kg
	DC connection	H4/MC4	H4/MC4
	AC connection	connection	connection
	Display	LED	LED
	Communication interfaces	Wi-Fi/USB	Wi-Fi/USB
	Ingress protection rating	IP65	IP65
	Humidity	100%	100%
	Operating temperature range	-20 C ~ +60 C With derating above 45 C	-20 C ~ +60 C With derating above 45 C
	Cooling concept	Natural	Natural
Altitude	<2000m	<2000m	

* Product specifications are subject to change without further notice.