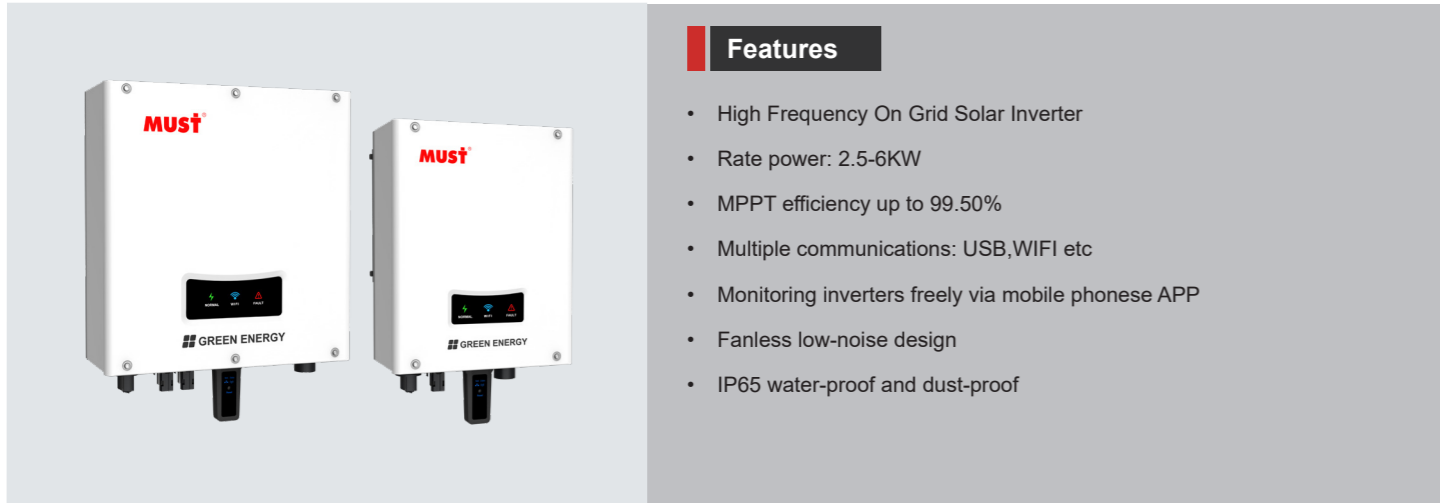


High Frequency On Grid Solar Inverter

PH5000 Series (2.5KW-6KW)



Features

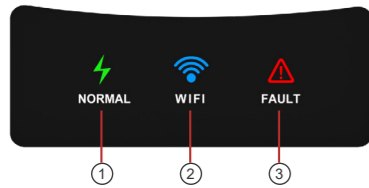
- High Frequency On Grid Solar Inverter
- Rate power: 2.5-6KW
- MPPT efficiency up to 99.50%
- Multiple communications: USB,WIFI etc
- Monitoring inverters freely via mobile phones APP
- Fanless low-noise design
- IP65 water-proof and dust-proof

Introduction

PH5000 series PV inverters take full account of the needs of end customers, with excellent performance at the same time, use LED as inverter status display, effectively improve product life. Using DSP digital control, could afford wide grid voltage range, have a full range of protection features; to maximize the benefits at the same time, greatly enhance the reliability of the product.

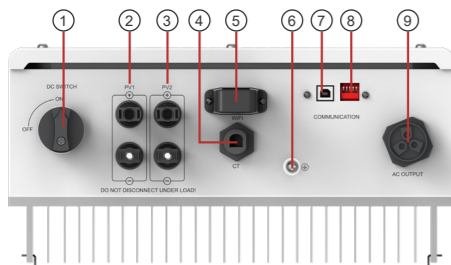
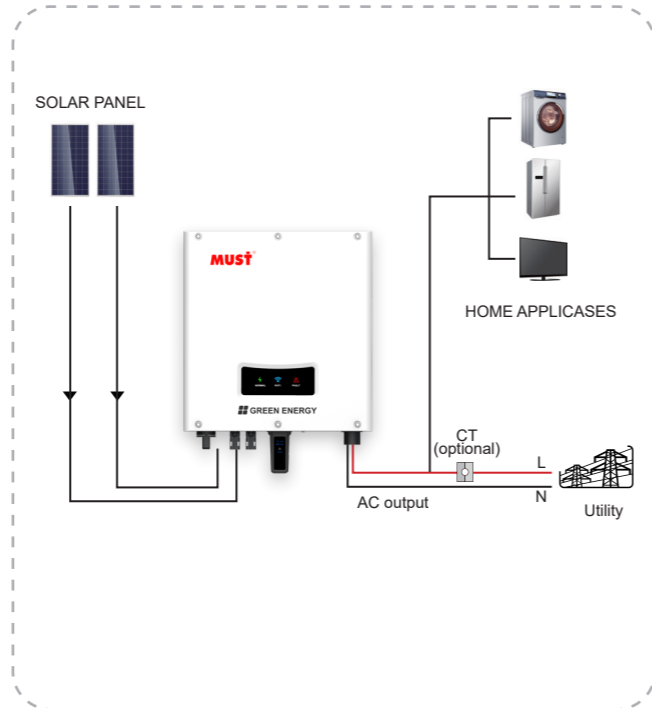
Back panel printing description

Green LED	Continuous light	Normal status
	Flicker	Waiting status
Blue LED	Flicker	Wifi normal communication
Red LED	Continuous light	Fault status
	Flicker	Program of procedure or give an alarm



1. Operation normal (Green)
2. WIFI communication (Blue)
3. Error display (Red)

Solar system connection



1. DC switch
2. PV1 input
3. PV2 input
4. CT port
5. WIFI connector
6. Ground
7. USB connector
8. RS-485 connector
9. AC output

Specification

MODEL	PH5 0-2500	PH5 0-3000	PH50-3600M	PH50-4200M	PH50-4600M	PH50-5000M	PH50-6000M	
RATED POWER(W)	2500W	3000W	3600W	4200W	4600W	5000W	6000W	
PV INPUT(DC)	Maximum recommended DC power(W)	2875W	3450W	4100W	4800W	5300W	7000W	
	Nominal DC operating voltage(V)	360V						
	Maximum DC voltage(V)	550V						
	Start voltage(V)	100V						
	MPPT voltage range(V)	80~550V						
	Maximum input current(A)	13A	13A	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A
	No.of MPP tracker	1		2				
	Strings per MPP tracker	1						
	GRID OUTPUT(AC)	Nominal AC output power(W)	2500W	3000W	3600W	4200W	4600W	5000W
Maximum AC output power(VA)		2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal output voltage(V);range(V)		220V / 230V / 240V;180-280V						
AC grid frequency(Hz);range(Hz)		50/60Hz;45~55/55-65Hz						
Nominal output current(A)		10.9A	13A	15.7A	18.3A	20.0A	21.8A	26.1A
Maximum output current(A)		11.4A	13.7A	16.4A	19.1A	21.0A	22.8A	27.3A
Total harmonic distortion (THDi)		<3% @Full load & THDi<1%						
Power factor at rated power		1						
Displacement power factor		0.8leading ~ 0.8lagging						
AC connection		Single phase						
EFFICIENCY		Maximum efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%
	Euro-efficiency	96.8%	96.8%	97.0%	97.0%	97.0%	97.0%	
	MPPT efficiency	99.5%						
	Self-Consumption night(W)	<1W						
PROTECTION DEVICES	DC reverse polarity protection	Yes						
	DC switch rating for each MPPT	Yes						
	Output over current protection	Yes						
	Output overvoltage protection-varistor	Yes						
	Ground fault monitoring	Yes						
	Grid monitoring	Yes						
	Integrated all-pole sensitive leakage current	Yes						
PHYSICAL	Machine Dimension (W*H*D)	262*368*155 mm	262*368*155 mm	355*412*153 mm	355*412*153 mm	355*412*173 mm	355*412*173 mm	355*412*201 mm
	Package Dimension (W*H*D)	/	/	/	/	/	/	/
	G.W	10kg	10kg	13.5kg	13.5kg	14.5kg	14.5kg	16.5kg
	N.W	/	/	/	/	/	/	/
INTERFACE	DC connection	H4/MC4						
	AC connection	Connector						
	Display	LED						
	Communication interfaces	Wi-Fi / USB / GPRS						
ENVIRONMENT	Ingress protection rating	IP65						
	Humidity	0-100%						
	Operating temperature range	-25°C ~+60°C With derating above 45°C						
	Cooling concept	Natural						
	Noise emission(typical)[dB]	≤25						
	Altitude	<4000m						
OTHERS	Topology	transformerless						
	Warranty	Standard 5years/10 years(opt.)						
	Certificatesand approvals	CE / IEC62109 / EN50549-1		CE / IEC62109 / CQC / EN50549-1				