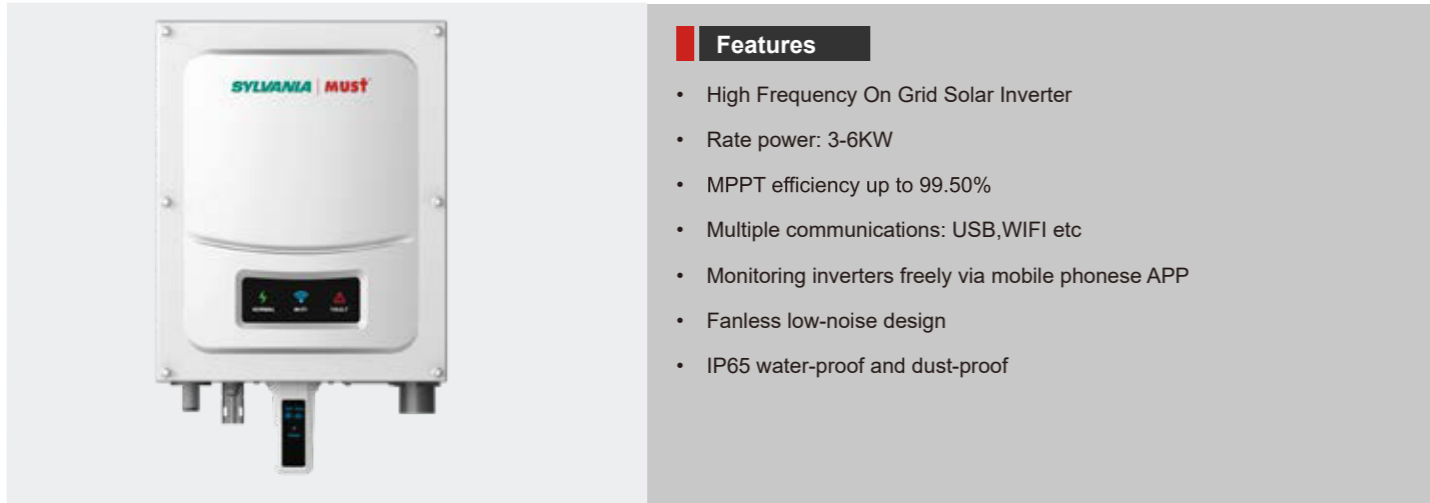


High Frequency On Grid Solar Inverter

PH5000 Series (3-6KW)



Features

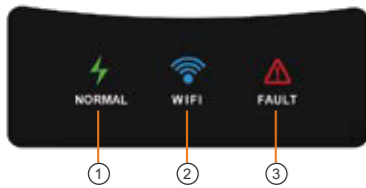
- High Frequency On Grid Solar Inverter
- Rate power: 3-6KW
- MPPT efficiency up to 99.50%
- Multiple communications: USB,WIFI etc
- Monitoring inverters freely via mobile phone APP
- Fanless low-noise design
- IP65 water-proof and dust-proof

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

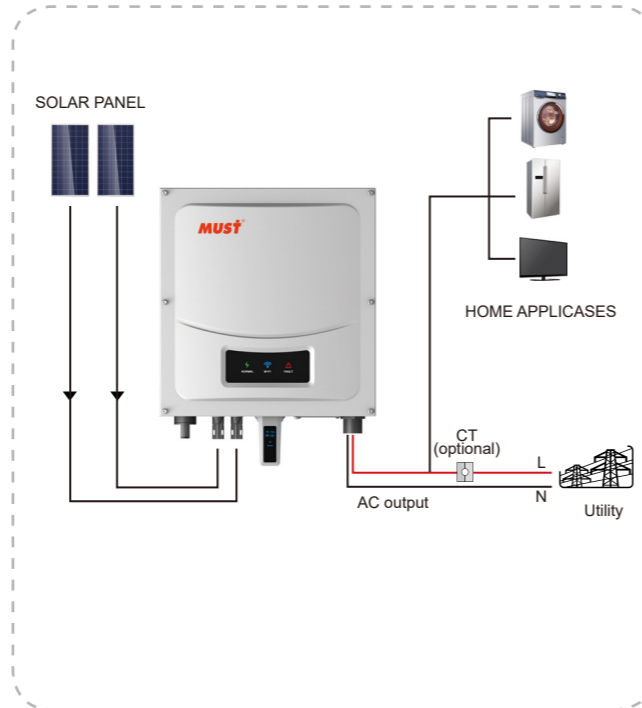
Green LED	Continuous light	Normal status
	Flicker	Waiting status
Blue LED	Flicker	Wifi normal communication
Red LED	Continuous light	Fault status
	Flicker	Program of procedure or give an alarm



1. Operation normal (Green)
2. WIFI communication (Blue)
3. Error display (Red)
4. DC switch
5. PV input
6. WIFI connector
7. PC USB connector \ RS-485
8. AC output



Solar system connection



Specification

	CODE	P27143	P27678
	RATED POWER(W)	3000	6000
PV INPUT(DC)	Maximum recommended DC power(W)	3450	7000
	Nominal DC operating voltage(V)	360	
	Maximum DC voltage(V)	550	
	Start voltage(V)	100	
	MPPT voltage range(V)	80~550	
	Maximum input current(A)	11	11/11
	No. of MPP tracker	1	2
	Strings per MPP tracker	1	
	GRID OUTPUT(AC)	Nominal AC output power(W)	3000
Maximum AC output power(VA)		3000	6000
Nominal output voltage(V);range(V)		220 \ 230 \ 240;180-280	
AC grid frequency(Hz);range(Hz)		50/60;45~55/55-65	
Nominal output current(A)		13	26.1
Maximum output current(A)		13.7	27.3
Total harmonic distortion i(THDi)		3.THDi@Full load &THDv <1%	
Power factor at rated power		1	
Displacement power factor		0.8leading ~ 0.8lagging	
AC connection		Single phase	
EFFICIENCY	Maximum efficiency	97.2%	97.4%
	Euro-efficiency	96.8%	97.0%
	MPPT efficiency	99.5%	
	Self-Consumption night(W)	<1	
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	Dimension(W/H/D)(mm)	262*368*155	355*412*201
	Net weight (kg)	10	16.5
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.)	
	Certificates and approvals	CE \ IEC62109 \ EN50549-1	CE \ IEC62109 \ CQC \ EN50549-1