

High Frequency On/Off Hybrid Solar Inverter

PH1800 Plus Series (2KW-5.5KW)

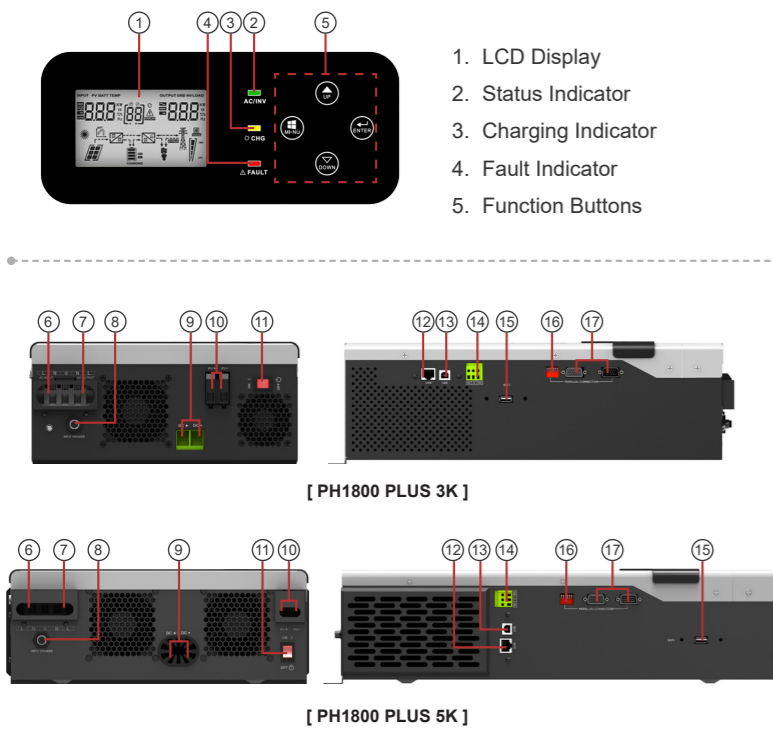


- ### Features
- Rated Power 2KW-5.5KW
 - Pure sine wave output
 - Self-consumption and Feed-in to the grid
 - Programmable supply priority for PV, Battery or Grid
 - User-adjustable battery charging current suits different types of batteries
 - Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
 - Monitoring software & Wifi Kit for real-time status display and control
 - Support parallel operation up to 3 units

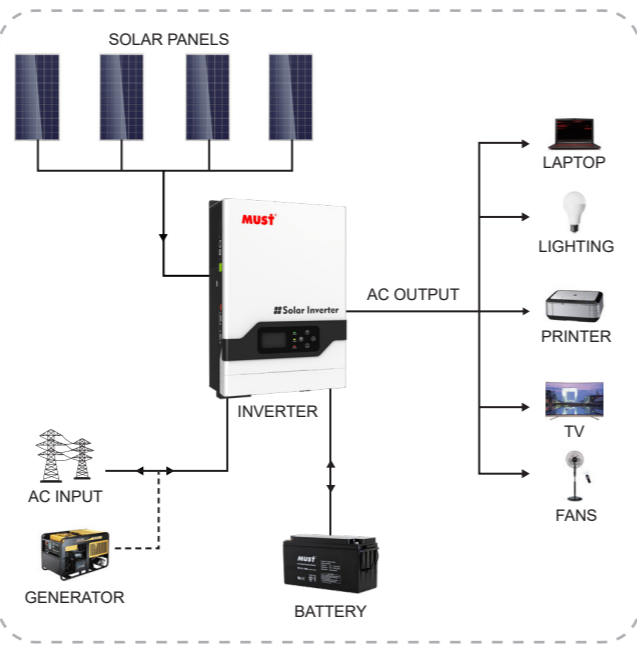
Introduction

PH1800 Plus series hybrid solar inverter, it can realize self-consumption and feed-in to the grid from solar energy with best solution according to your setting. During the daytime solar power can run your home appliances and if there is extra solar power it will feed-in to the grid or you can choose to save them on the battery to backup when power failure or nighttime.

Back panel printing description



Solar system connection



- 6. AC Input
- 7. AC Output
- 8. Circuit breaker
- 9. Battery Input
- 10. PV Input
- 11. Power On/Off Switch
- 12. RS-485 Communication port
- 13. USB
- 14. Dry Contact
- 15. USB WIFI
- 16. Parallel Switch (only for parallel model)
- 17. Parallel Connection Port (only for parallel model)

Specification

MODEL	PH18-2024 Plus	PH18-3024 Plus	PH18-3048 Plus	PH18-4048 Plus	PH18-5048 Plus	PH18-5548 Plus	
Nominal Battery System Voltage	24VDC		48VDC				
INVERTER OUTPUT	Rated Power	2000W	3000W	3000W	4000W	5000W	5500W
	Surge Power	4000W	6000W	6000W	8000W	10000W	11000W
	Waveform	Pure Sine Wave					
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(setting)					
	Electric Current	8.7A	13A	17.4A	21.7A	23.9A	
	Inverter Efficiency(Peak)	93%					
	Transfer Time	10ms(UPS /VDE4105) 20ms(APL)					
	AC INPUT	Voltage	230VAC				
Selectable Voltage Range		170~280VAC(UPS), 90~280VAC(APL), 184~253VAC(VDE4105)					
Frequency Range		50Hz / 60Hz (Auto Sensing)					
BATTERY	Normal Voltage	24VDC	48VDC				
	Floating Charge Voltage	27.4VDC	54.8VDC				
	Overcharge Protection	30VDC	60VDC				
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC					
	PV Array MPPT Voltage Range	30~130VDC	64~130VDC				
	Standby Power Consumption	2W					
	Maximum PV Array Power	2000W	4000W				
	Maximum Solar Charge Current	80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	60A					
Maximum Charge Current	140A						
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	290*431*132mm	329*485*134mm				
	Package Dimension (W*H*D)	395*515*220mm	425*575*229mm				
	G.W	8.5kg	12kg				
	N.W	10kg	13.5kg				
	OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature		0°C ~50°C					
Storage Temperature		-15°C ~60°C					