



# Off Grid Single Phase Inverter

## PC SERIES

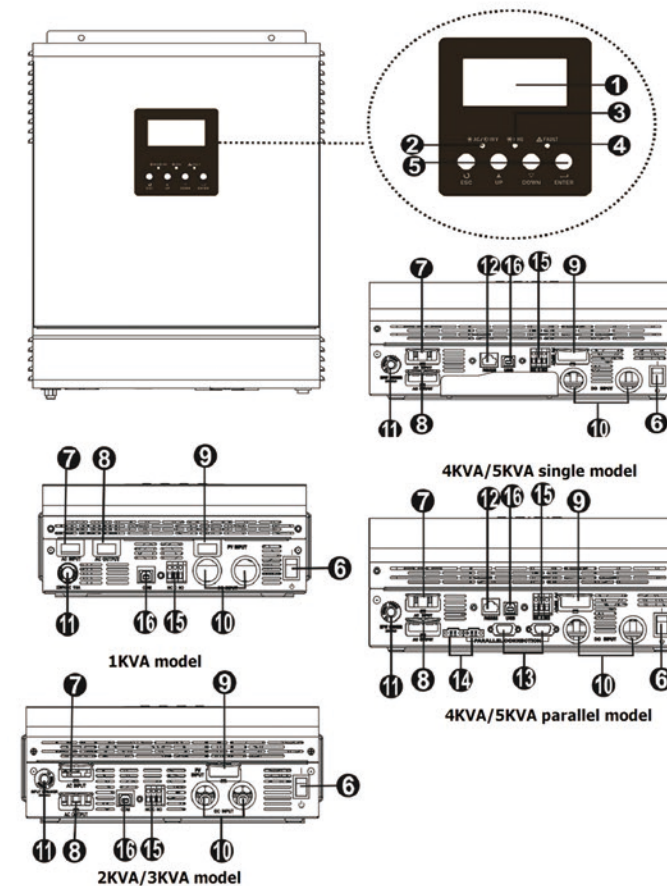


### Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional Remote Control Panel available



### Overview

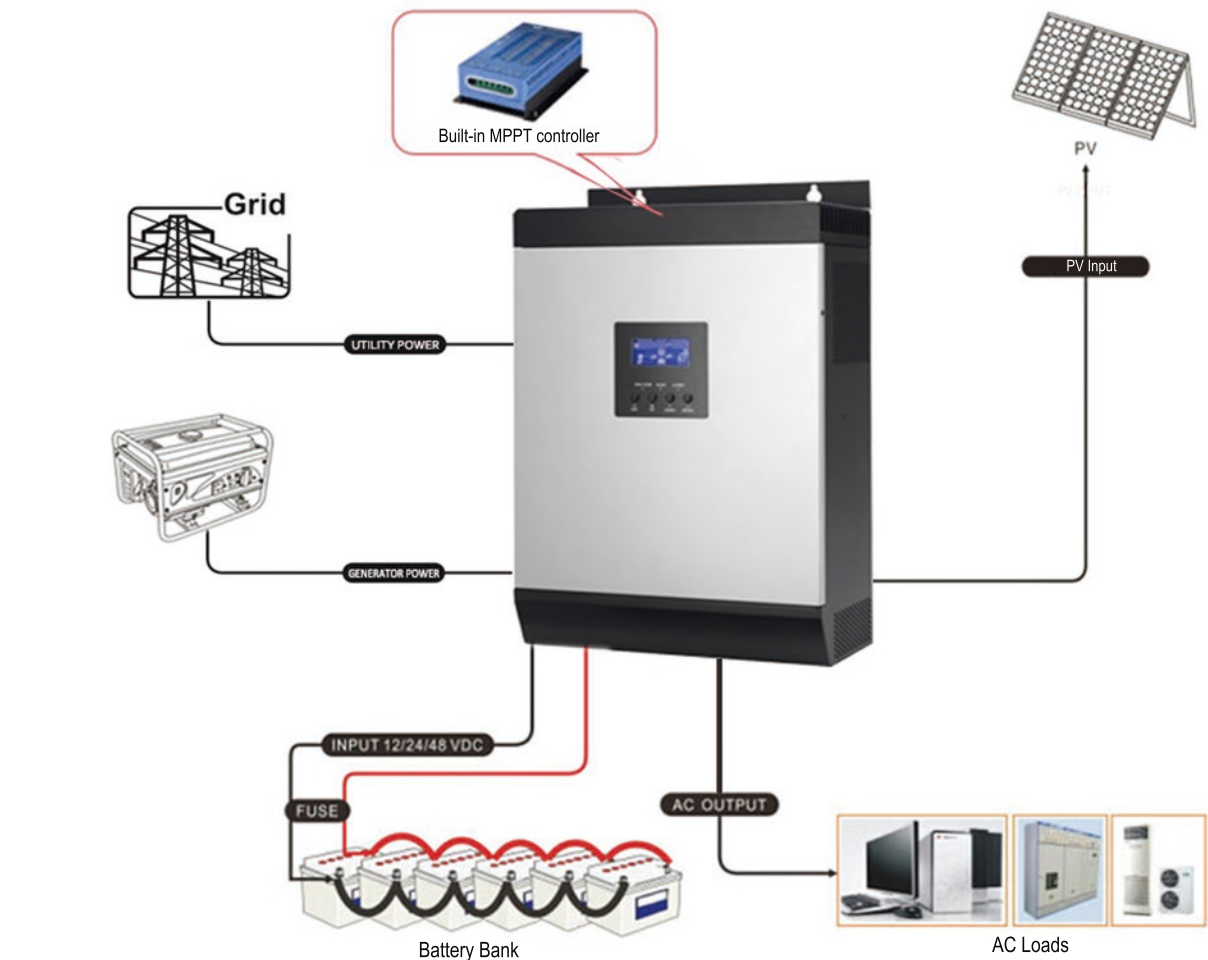


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing cable (only for parallel model)
15. Dry contact
16. USB communication port

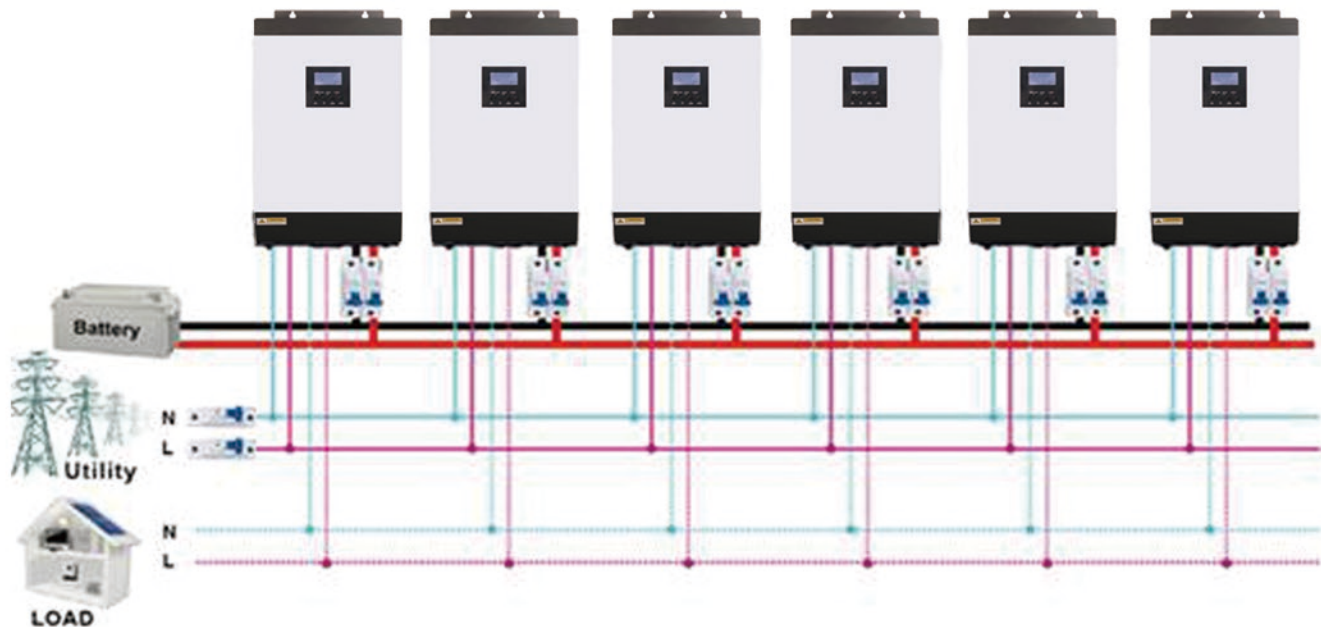




Connection



Complete Hybrid Solar Power System



Parallel Operation

PC Series Inverter Selection Guide

Model	PC-1000VA	PC-2000VA	PC-3000VA	PC-4000VA	PC-5000VA
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
AC Input					
Voltage	220/230/240VAC				
Selectable Voltage Range	170-280VAC ( for personal computers), 90-280VAC (for home appliances)				
Frequency Range	50/60Hz (auto sensing)				
AC Output					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%	93%			
Transfer Time	10ms ( for personal computers), 20ms (for home appliances)				
Waveform	Pure sine wave				
Battery					
Battery Voltage	12VDC	24VDC		48VDC	
Floating Charge Voltage	13.5VC	27VDC		54VDC	
Overcharge Protection	15.5VDC	31VDC		60VDC	
Solar Charger & AC Charger					
Maximum PV Array Open Circuit Voltage	50VDC	60VDC		105VDC	
Standby Power Consumption	1 W	2 W		2 W	
Maxmum Solar Charge Current	50A	50A		50A	
Maximum AC Charge Current	20 A	30 A		60 A	
Maximum Charge Current	50 A			110 A	
	AC charger and solar charger can't work at the same time.				
Physical					
Dimension (DxWxH) mm	95x240x316	100x272x355		120x295x468	
Net Weight (KGS)	5	6.4	6.9	9.8	9.8
Operating Environment					
Humidity	5% to 95% relative humidity(non-condensing)				
Operating Temperature	0°C - 55°C				
Storage Temperature	-15°C - 60°C				

Product specifications are subject to change without further notice.