



# Off Grid Single Phase Inverter

## MPC SERIES

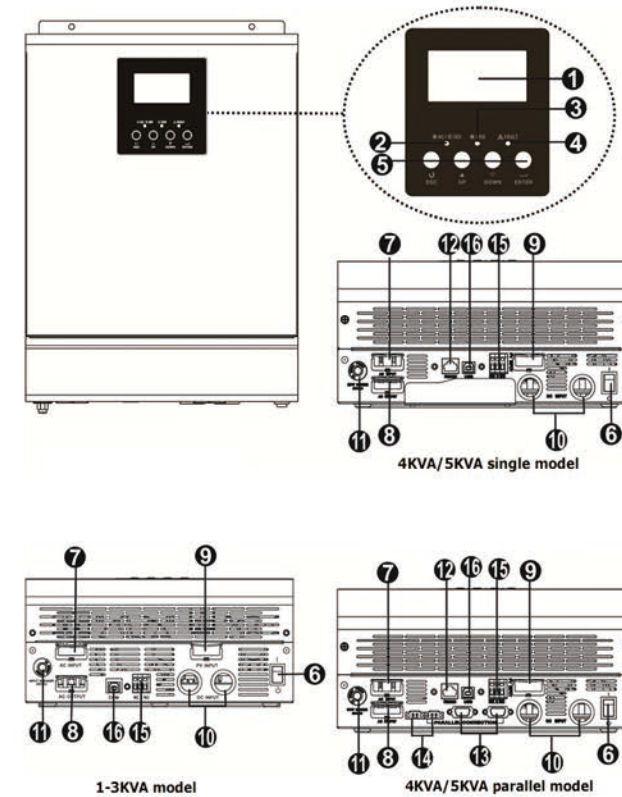


### Features

- Pure sine wave inverter
- Built-in MPPT 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
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Optional Remote Control Panel available



### Overview

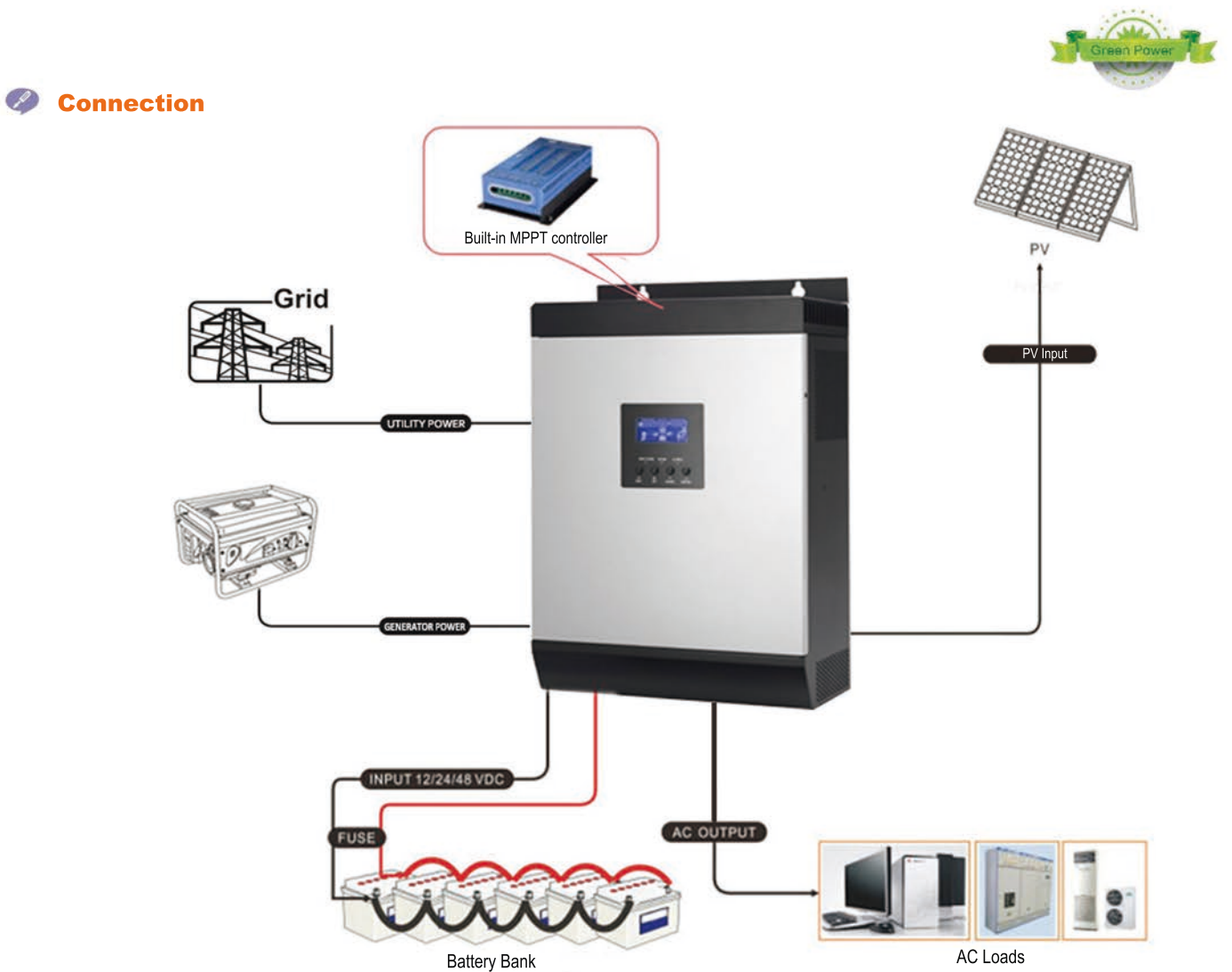


1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing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

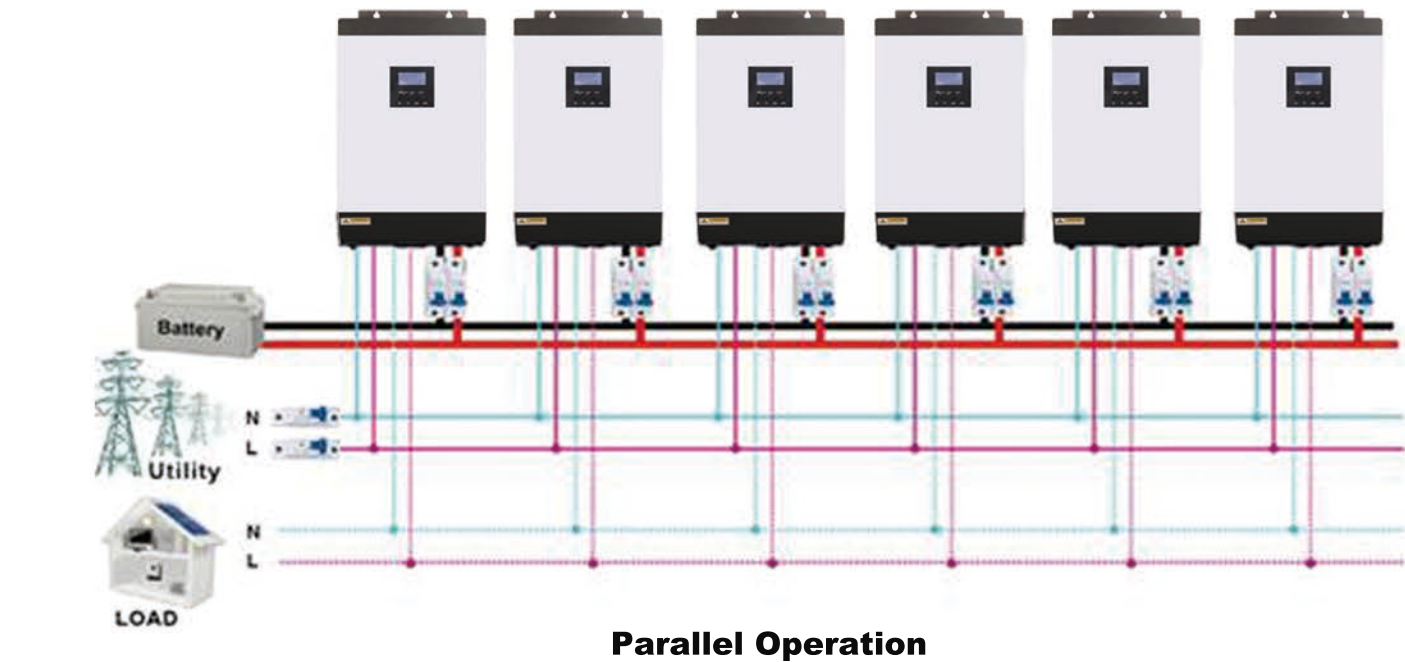




Connection



Complete Hybrid Solar Power System



Parallel Operation

MPC Series Inverter Selection Guide

Model	MPC-1000VA	MPC-2000VA	MPC-3000VA	MPC-4000VA	MPC-5000VA		
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W		
AC Input							
Voltage	230 VAC						
Selectable Voltage Range	170-280 VAC (for personal computers), 90-280 VAC (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%	93%					
Transfer Time	10 ms (For personal computers); 20 ms (For home appliances)						
Waveform	Pure sine wave						
Battery							
Battery Voltage	24VDC	24VDC	24VDC	24VDC	48VDC		
Floating Charge Voltage	27VDC	27VDC	27VDC	27VDC	54VDC		
Overcharge Protection	31VDC	31VDC	31VDC	31VDC	60VDC		
Solar Charger & AC Charger							
Maximum PV Array Power	600W	600W	600W	1500W	3000W	3000W	4000W
MPPT Range @ Operating Voltage	30VDC~ 66VDC			60VDC ~ 115VDC			
Maximum PV Array Open Circuit Voltage	75VDC			145VDC			
Maximum Solar Charge Current	25A			60A			80A
Maximum AC Charge Current	20A	30A	30A	20A	60 A		
Maximum Efficiency	98%						
Standby Power Consumption	2 W						
Physical							
Dimension (DxWxH) mm	100x272x355				140x295x468		
Net Weight (KGS)	8	8	8		13		
Operating Environment							
Humidity	5% to 95% relative humidity(non-condensing)						
Operating Temperature	0°C to 55°C						
Storage Temperature	-15°C to 60°C						

Product specifications are subject to change without further notice.