



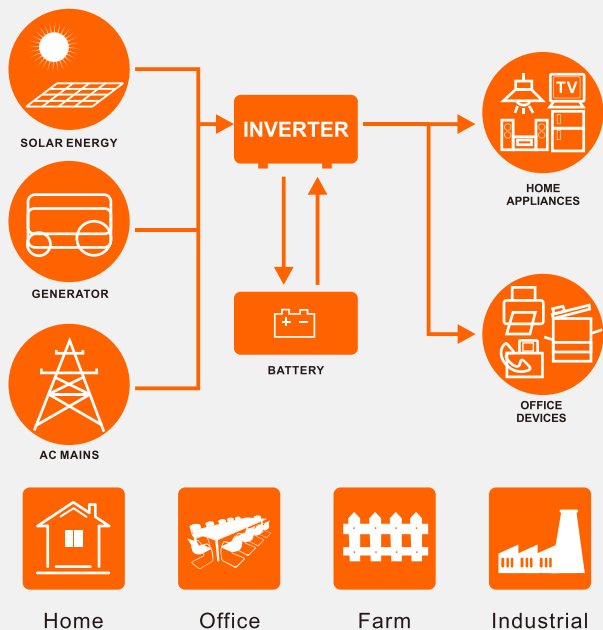
*Pure Sine Wave and **MPPT** Controller built-in*

## Off Grid Hybrid Inverter

MODEL: MPS1000 / MPS2000 / MPS3000

MPS is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank, transformerless design provides reliable power conversion in compact size, besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, computers, power tool and battery chargers.

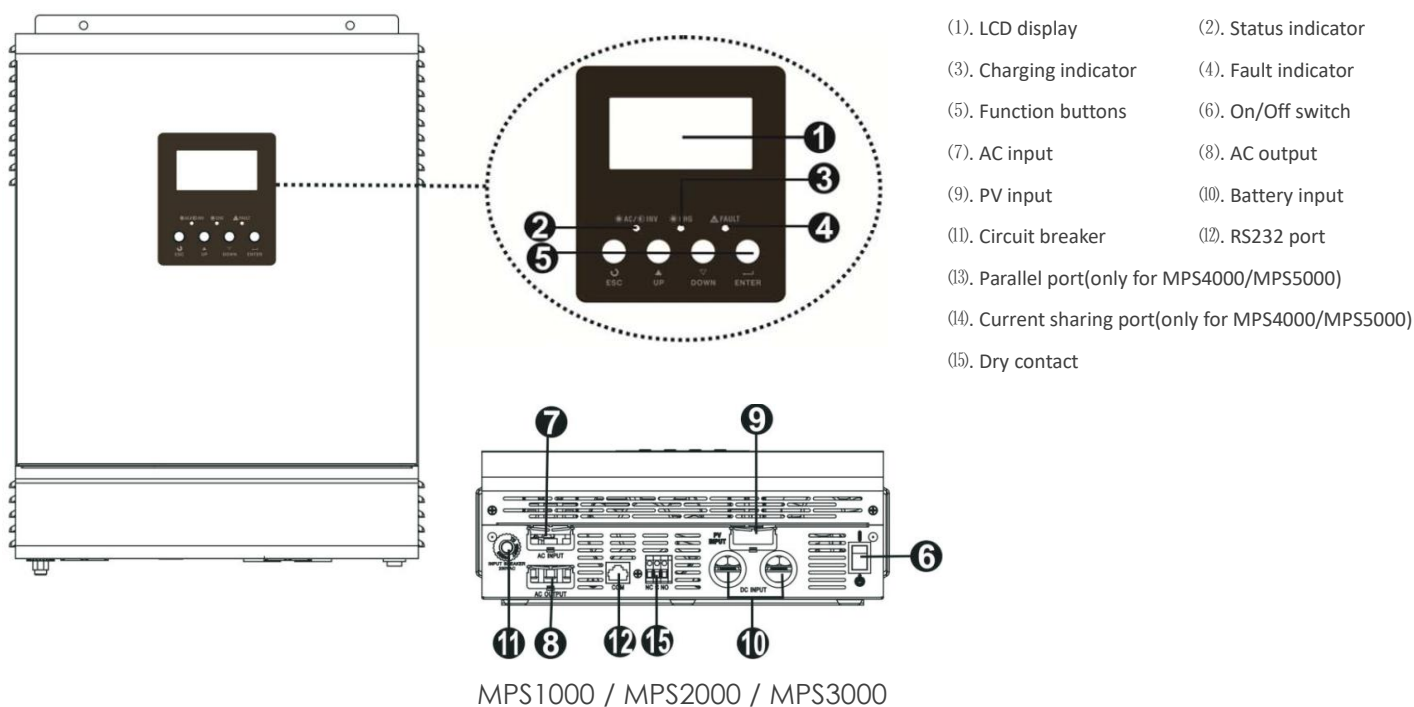
## Applications



## Features

- ❑ Pure sine wave inverter and MPPT charger controller unit built-in.
- ❑ Selectable input voltage range for home appliances and personal uses.
- ❑ Selectable charging current based on applications.
- ❑ Configurable AC power/solar power input priority as option.
- ❑ Compatible to mains voltage or generator power.
- ❑ Auto restart while AC power is recovering.
- ❑ Overload and short circuit protection.
- ❑ Smart charging system to optimize battery performance.
- ❑ Cold start function.

## Product overview



INPUT DATA	MODEL	MPS1000-24	MPS2000-24	MPS3000-24	MPS3000-24Plus
Parallel capacity		Inapplicable	Inapplicable	Inapplicable	Inapplicable
Rated power		1000VA/800W	2000VA/1600W	3000VA/2400W	3000VA/2400W
DC input voltage		24VDC	24VDC	24VDC	24VDC
AC input voltage selectable		90-280VAC/170-280VAC 50-60Hz			
OUTPUT DATA					
AC output voltage		230VAC±5% 50Hz			
Surge power		2000VA	4000VA	6000VA	6000VA
Efficiency(Peak)		90%	93%	93%	93%
Transfer time		10-20ms	10-20ms	10-20ms	10-20ms
Waveform		Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
BATTERY&AC CHARGER					
Battery voltage		24VDC	24VDC	24VDC	24VDC
Floating charge voltage		27.0VDC	27.0VDC	27.0VDC	27.0VDC
Overcharge protection		31.0VDC	31.0VDC	31.0VDC	31.0VDC
Max. charge current		10A or 20A	20A or 30A	20A or 30A	20A or 30A
SOLAR CHARGER					
Max. PV open voltage		75VDC	75VDC	75VDC	145VDC
Max.PV power		600W	600W	600W	1500W
Max. PV charge current(MPPT)		25A	25A	25A	60A
MPPT operating voltage		30-66VDC	30-66VDC	30-66VDC	30-115VDC
Max. efficiency		98%	98%	98%	98%
Standby power consumption		2W	2W	2W	2W
OPERATING CONDITIONS					
Humidity		5% to 95% relative humidity(non condensing)			
Operating temperature (Inside inverter)		0℃ ~ +55℃			
Storage temperature		-15℃ ~ +60℃			
Cooling concept		Fan - cooling			
Degree of protection (Waterproof)		IP40			
Integrated ground		Equipment ground is provided by PE in AC cable, no additional ground is required			
Mechanical parameters					
Dimensions(D×W×H)mm		100×272×355	100×272×355	100×272×355	120×295×468
Net weight(kgs)		6.8	7.0	7.4	9.2

\* Product specifications are subject to change without further notice.