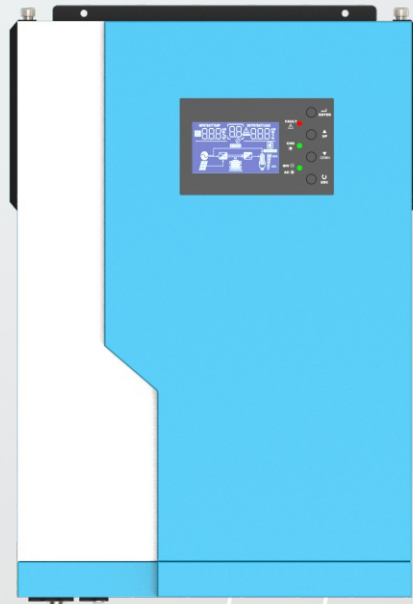


▶ MPS-V PLUS Series

Hybrid Solar Inverter



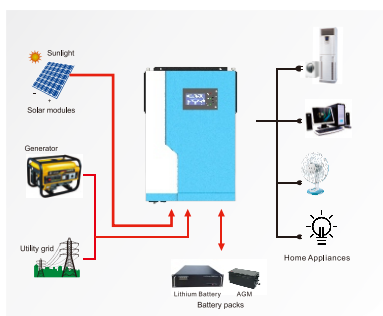
»» Features

- Pure sine wave solar inverter
- Wifi&GPRS available for IOS and android
- Built-in 100A MPPT solar charger
- Built-in anti-dusk kit for harsh environment
- Output power factor 1.0
- Inverter running without battery
- High PV input voltage range(120~500VDC)
- Smart battery charge design to optimize battery life

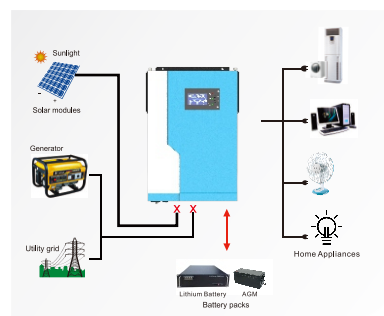
»» System Diagram

■ Operation with battery connected

»» Solar Power and AC Power available

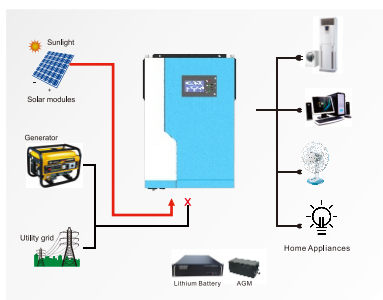


»» Solar Power and AC Power not available

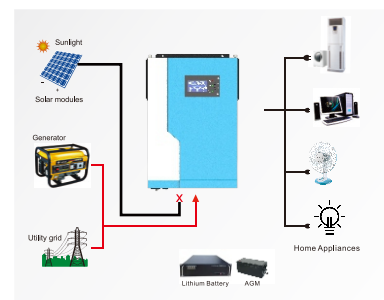


■ Operation without battery connected

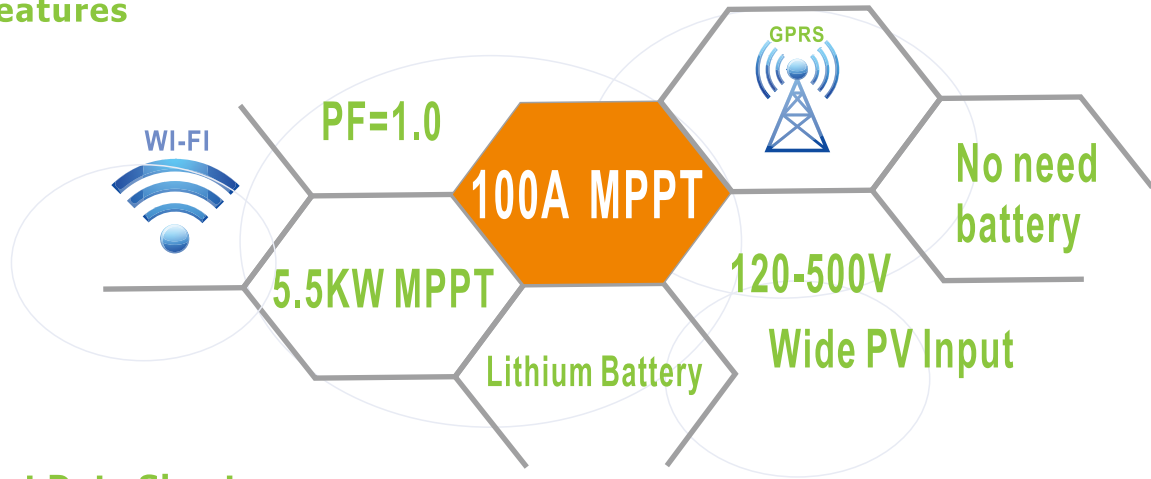
»» Solar Power available



»» AC Power available



»» Key Features



»» Product Data Sheet

MODEL	MPS-V 3500W-PLUS	MPS-V 5500W-PLUS
Rated Power	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt.Mode)	230VAC±5%	
Surge power	7000VA	11000VA
Efficiency(Peak) PV to INV	97%	
Efficiency(Peak) BAT to INV	94%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)	
Wave form	Pure Sine Wave	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum charge current	80A	80A
SOLAR CHARGER		
MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension.D*W*H(mm)	440*300*100	
Net Weight (kgs)	11kg	12kg
Communication Interface	USB/RS232(Standard) GPRS/WIFI(Optional)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	