

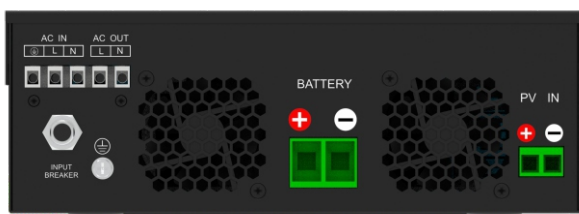
Off Grid Solar Inverter



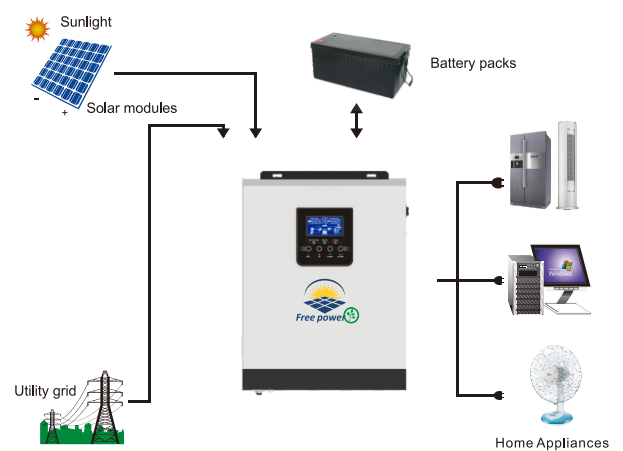
»» Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Selectable input voltage range for home use
- 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

»» Overview



»» Solar System Connection



»» Product Data Sheet

MODEL	HPS 1.5K-12	HPS 1.5K-24	HPS 3K-24
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W
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	3000VA	3000VA	6000VA
Efficiency(Peak)	90%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY			
Battery Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	15.0VDC	30VDC	30VDC
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Circuit Voltage	55VDC	80VDC	80VDC
PV Range @ Operating Voltage	12-20VDC	30-40VDC	30-40VDC
Maximum Solar Charging Current	50A	50A	50A
Maximum AC Charging Current	10A/20A	20A/30A	20A/30A
Maximum Charging Current (Utility Charging+Solar Charging)	70A	80A	80A
Standby Power Consumption	2W	2W	2W
PHYSICAL			
Dimension.D*W*H(mm)	305*272*100mm		
Net Weight (kgs)	5.2kg		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		



PC



TV



Electric fan



FM Radio



Solar Power

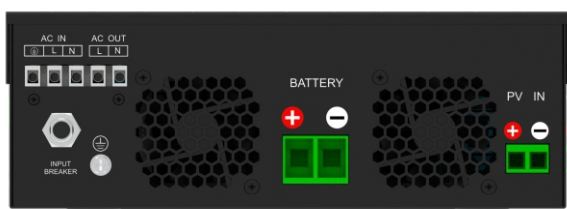
Off Grid Solar Inverter



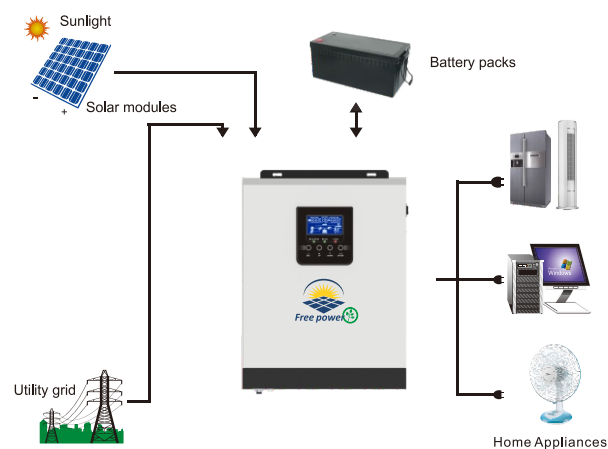
»» Features

- 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

»» Overview



»» Solar System Connection



»» Product Data Sheet

MODEL	HMS 1.5K-12	HMS 1.5K-24	HMS 3K-24
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W
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	3000VA	6000VA	
Efficiency(Peak)	90%-93%	93%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY			
Battery Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	15.5VDC	31VDC	31VDC
SOLAR CHARGER			
Maximum PV Array Power	500W	1000W	1000W
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	102VDC
MPPT Range @ Operating Voltage	15-80VDC	30-80VDC	30-80VDC
Maximum Solar Charging Current	40A	40A	40A
Maximum AC Charging Current	10A/20A	20A/30A	20A or 30A
Maximum Charging Current (Utility Charging+Solar Charging)	60A	70A	70A
Standby Power Consumption	2W		
Maximum Efficiency	98%		
PHYSICAL			
Dimension.D*W*H(mm)	305*272*100mm		
Net Weight (kgs)	5.2kg		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		



PC



TV



Electric fan



FM Radio



Solar Power

▼ PS Series

Off Grid Solar inverter



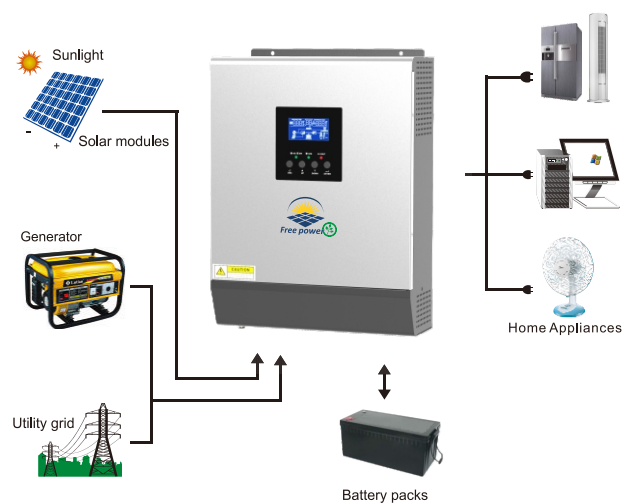
» Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Selectable input voltage range for home use
- 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
- Parallel operation with up to 6 units available for 5KVA

» Overview



» Solar System Connection



»» Product Data Sheet

MODEL	PS 1K-12	PS 3K-24	PS 5K-48
Rated Power	1000VA/800W	3000VA/2400W	5000VA/4000W
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	2000VA	6000VA	10000VA
Efficiency(Peak)	90%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY & AC CHARGER			
Battery Voltage	12VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	54VDC
Overcharge Protection	15.0VDC	30VDC	60VDC
Maximum charge current	10A/20A	20A/30A	10A/20A/30A/40A/50A/60A
SOLAR CHARGER & AC CHARGER			
Charging Current	50A		
Maximum PV Array Open Circuit Voltage	40VDC	80VDC	105VDC
PV Range @ Operating Voltage	15-18VDC	30-32VDC	60-105VDC
Standby Power Consumption	1W	2W	3W
PHYSICAL			
Dimension.D*W*H(mm)	240*327.6*110	368*272*100	467*295*120
Net Weight (kgs)	4.5kg	6.9kg	9.8kg
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		

»» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



PC



TV



Electric fan



FM Radio



Solar Power

▼ PS PLUS Series

Off Grid Solar inverter



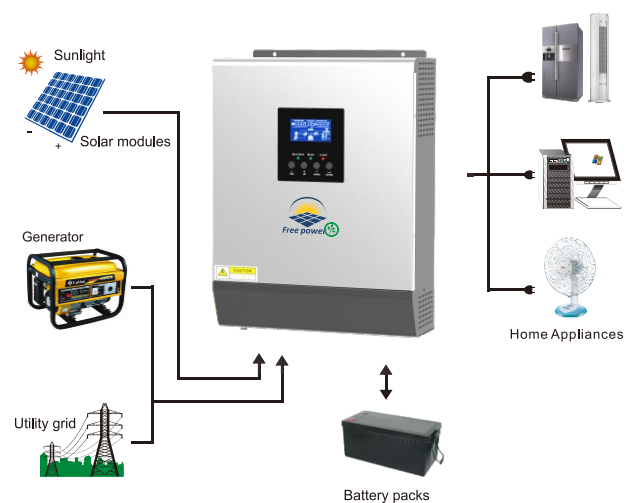
»» Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Output power factor 1
- Selectable input voltage range for home use
- 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
- Parallel operation with up to 6 units available for 5KVA
- Cold start function

»» Overview



»» Solar System Connection



»» Product Data Sheet

MODEL	PS PLUS 1K -12	PS PLUS 1.5K-24	PS PLUS 3K-24	PS PLUS 5K-48
Rated Power	1000VA/1000W	1500VA/1500W	3000VA/3000W	5000VA/5000W
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	2000VA	3000VA	6000VA	10000VA
Efficiency(Peak)	90%	93%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
BATTERY & AC CHARGER				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.0VDC	30VDC	30VDC	60VDC
Maximum charge current	10A/20A	20A/30A	20A/30A	10A/20A/30A/ 40A/50A/60A
SOLAR CHARGER & AC CHARGER				
Charging Current	50A			
Maximum PV Array Open Circuit Voltage	40VDC	80VDC	80VDC	105VDC
PV Range @ Operating Voltage	15-18VDC	30-32VDC	30-40VDC	60-105VDC
Standby Power Consumption	1W	2W	2W	3W
PHYSICAL				
Dimension.D*W*H(mm)	240*327.6*110	368*272*100	368*272*100	467.6*295*120
Net Weight (kgs)	4.5kg	5.5kg	6.9kg	9.8kg
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0°C to 55°C			
Storage Temperature	-15°C to 60°C			

»» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



PC



TV



Electric fan



FM Radio



Solar Power

▼ MPS Series

Off Grid Solar inverter



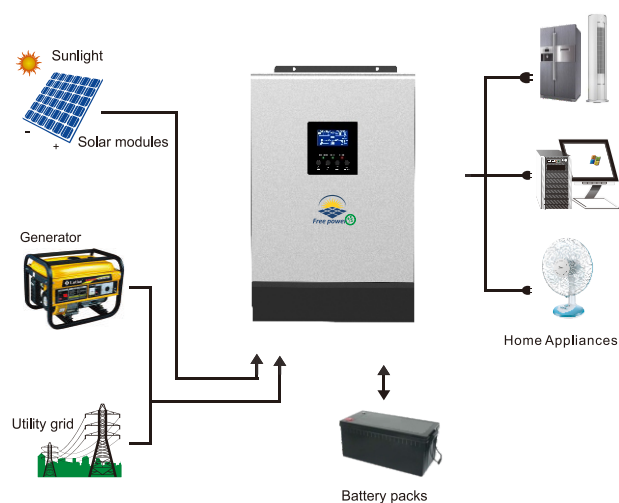
» Features

- 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
- Parallel operation with up to 6 units (30KVA) only available for 5KVA

» Overview



» Solar System Connection



»» Product Data Sheet

MODEL	MPS 1K-24		MPS 3K-24		MPS 5K-48
Rated Power	1000VA/800W		3000VA/2400W		5000VA/4000W
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	2000VA	6000VA		10000VA	
Efficiency(Peak)	90-93%	93%		93%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)				
Wave form	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	24VDC	24VDC		48VDC	
Floating Charge Voltage	27VDC	27VDC		54VDC	
Overcharge Protection	31VDC	31VDC		60VDC	
Maximum charge current	10A/20A	20A/30A		10A/20A/30A/40A/50A/60A	
SOLAR CHARGER					
MAX.PV Array Power	1000W	1000W	1500W	3000W/4000W	
MPPT Range@ Operating Voltage	30-66VDC	30-66VDC	30-115VDC	60-115VDC	
Maximum PV Array Open Circuit Voltage	75VDC	75VDC	145VDC	145VDC	
Maximum Charging Current	40A	40A	60A	60A/80A	
Maximum Efficiency	98%				
Standby Power Consumption	2W				
PHYSICAL					
Dimension.D*W*H(mm)	368*272*128	367.6*272	439*296*141	540*295*140/468*295*136	
Net Weight (kgs)	7.4kg	8.0kg	10kg	11.5kg/13.5kg	
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C to 55°C				
Storage Temperature	-15°C to 60°C				

»» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



PC



TV



Electric fan



FM Radio



Solar Power

Off Grid Solar inverter



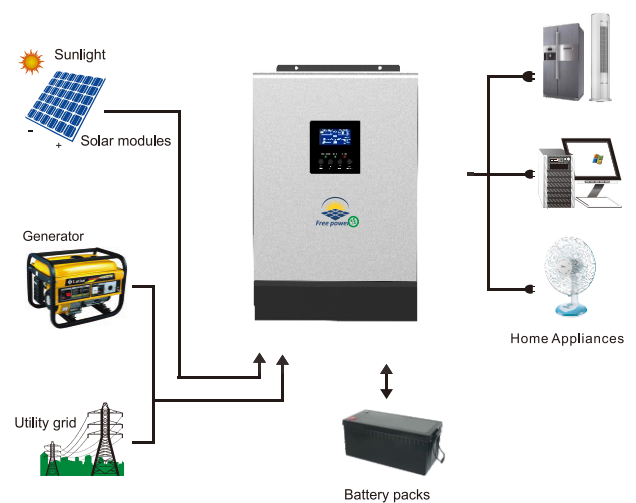
»» Features

- 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
- Parallel operation with up to 6 units (30KVA) only available for 5KVA

»» Overview



»» Solar System Connection

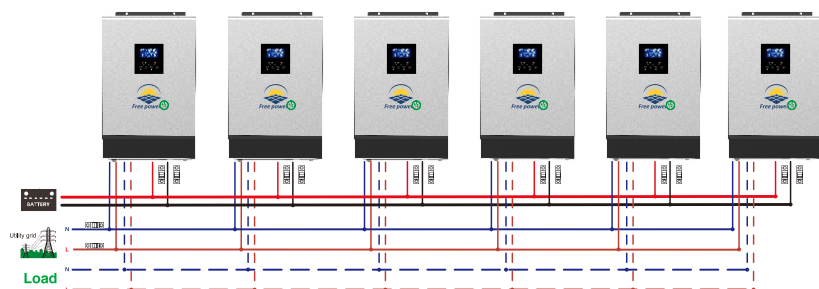


»» Product Data Sheet

MODEL	MPS PLUS 1K-24		MPS PLUS 3K-24		MPS PLUS 5K-48
Rated Power	1000VA/1000W		3000VA/3000W		5000VA/5000W
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	2000VA	6000VA		10000VA	
Efficiency(Peak)	90-93%	93%		93%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)				
Wave form	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	24VDC	24VDC		48VDC	
Floating Charge Voltage	27VDC	27VDC		54VDC	
Overcharge Protection	31VDC	31VDC		60VDC	
Maximum charge current	10A/20A	20A/30A		10A/20A/30A/40A/50A/60A	
SOLAR CHARGER					
MAX.PV Array Power	1000W	1500W		3000W/4000W	
MPPT Range@ Operating Voltage	30-66VDC	30-115VDC		60-115VDC	
Maximum PV Array Open Circuit Voltage	75VDC	145VDC		145VDC	
Maximum Charging Current	40A	60A		60A/80A	
Maximum Efficiency	98%				
Standby Power Consumption	2W				
PHYSICAL					
Dimension.D*W*H(mm)	368*272*128	367.6*272	439*296*141	540*295*140/468*295*136	
Net Weight (kgs)	7.4kg	8.0kg	10kg	11.5kg/13.5kg	
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C to 55°C				
Storage Temperature	-15°C to 60°C				

»» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



▼ MPS-V PLUS Series

Hybrid Solar Inverter



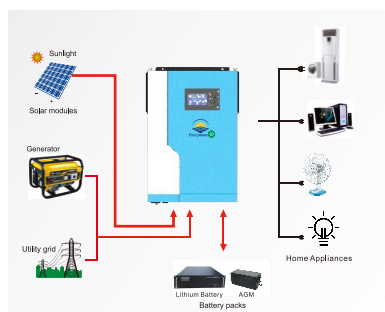
»» Features

- 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

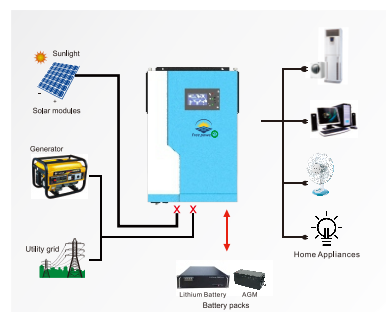
»» System Diagram

■ Operation with battery connected

»» Solar Power and AC Power available

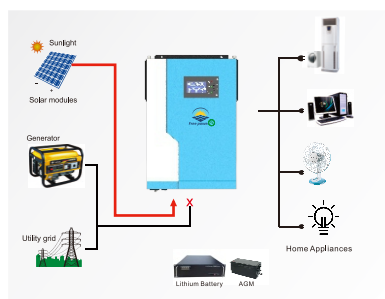


»» Solar Power and AC Power not available

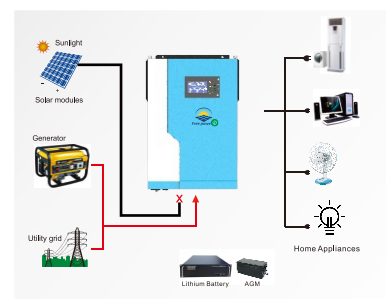


■ Operation without battery connected

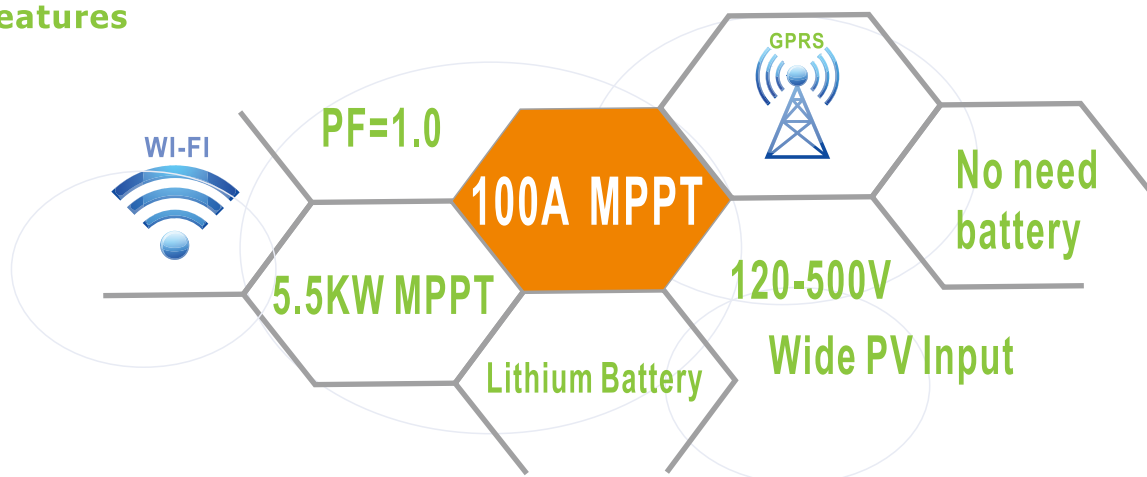
»» Solar Power available



»» 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	

▼ MPS-V II 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
- Remove LCD
- 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 Digram

• Detachable LCD control module with various communications

The detachable LCD control module can be disassembled. Equipped with remote control line up to 20m. Users can monitor and set up inverters far away.



• Wifi&GPRS available for IOS and android

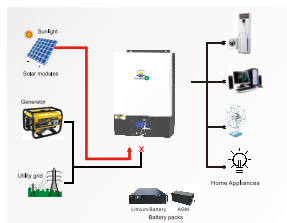
Optional WIFI or GPRS version remote monitoring. Compatible with Android and IOS versions, with computer clients, mobile clients; With a cloud platform, users can customize and create their own accounts and permanently save data.



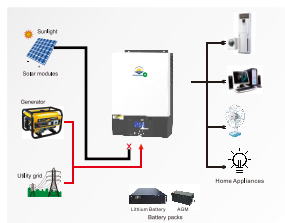
• Working with or without battery

■ Operation without battery connected

Solar Power available



AC Power available



- It is applicable to the lithium battery system
Customizable BMS system



- Detachable LCD control module users can
be free and practical



»» Product Data Sheet

MODEL	MPS-V II-3500W	MPS-V II-5500W
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	REMOVE LCD/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	

▼ RP Series

Power Inverter (1000W-6000W)



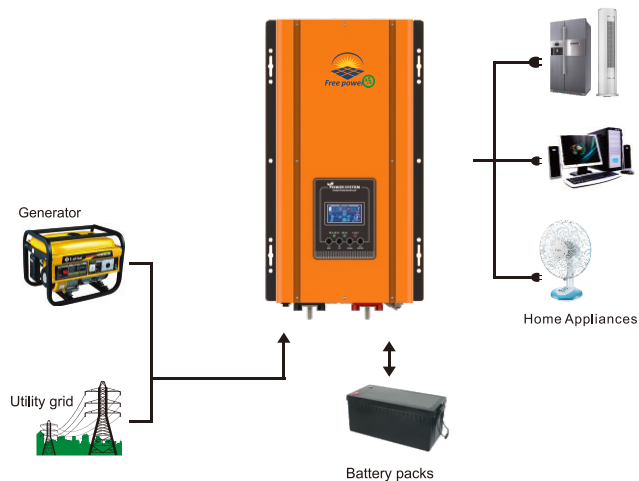
»» Features

- Pure sine wave inverter
- Output power factor 1
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/battery input priority via LCD setting
- Compatible with generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Color LCD display
- Supports the use lithium batteries

»» Overview



»» Connection



»» Remote(optional)



»» Product Data Sheet

MODEL	RP 1000	RP 2000	RP 3000	RP 4000	RP 5000	RP 6000
Rated Power	1000W	2000W	3000W	4000W	5000W	6000W
INPUT						
Voltage	100/110/120Vac;220/230/240Vac					
Selectable Voltage Range	Wide Range :75vac~138Vac ;155Vac~275Vac(for home appliances) Narrow Range :82Vac~138Vac ;165Vac~275Vac(for personal computer)					
Frequenc	40-70Hz (50Hz/60Hz)		100/110/120Vac(±5V);220/230/240Vac(±10V)			
OUTPUT						
AC Voltage Regulation(Batt Mode)	100/110/120Vac(±5V);220/230/240Vac(±10V)					
Surge Power	2000VA	4000VA	9000VA	12000VA	15000VA	18000VA
Efficiency(Peak)	88%		91%			
Transfer Time	< 20ms		< 10ms			
Wavefrom	Pure sine wave					
BATTERY						
Battery Voltage	12V	24V	12V/24V/48V	24V/48V	24V/48V	24V/48V
Charge Current	35A	35A	75A/50A/25A	70A/35A	75A/45A	75A/50A
Fast Charge Voltage	14.3VDC for 12V (*2 for 24V,*4 for 48V)					
Float Charge Voltage	13.7VDC for 12V (*2 for 24V,*4 for 48V)					
Battery Low Voltage Alarm	16.5VDC for 12V (*2 for 24V,*4 for 48V)					
Over Voltage Protect	10.5VDC for 12V (*2 for 24V,*4 for 48V)					
Battery Low Voltage Shutdown	10.0VDC for 12V (*2 for 24V,*4 for 48V)					
Protection	Over charging,over temp,over battery voltage,over load,short-circuit					
Operating Enviroment Temperature	55℃					
Cooling	Intelligent Fan					
Display	LCD					
Specification Setting	By LCD or position machine: Charging current,battery type,input voltage,output frequency,wide and narrow of AC input voltage,power-saver model,AC priority or battery priority					
PHYSICAL						
Dimension,(D*W*H)mm	390*222*178		500*258*190	574*345*197		
Net Weight (kgs)	11.4	15	25.2/24.6	34.4/33.8	37.9/38.2	41.6/40.5
ENVIROMENT						
Humidity	5~95% Relative humidity (No-condensing)					
Operating Temperature	-10~50℃					
Storage Temperature	-10~60℃					



PC



TV



Electric fan



FM Radio



Solar Power