



VPS-MS Series

Off Grid Solar Inverter with MPPT Charge Controller

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Off Grid Solar Inverter with MPPT Charge Controller

1-5KVA



Features:

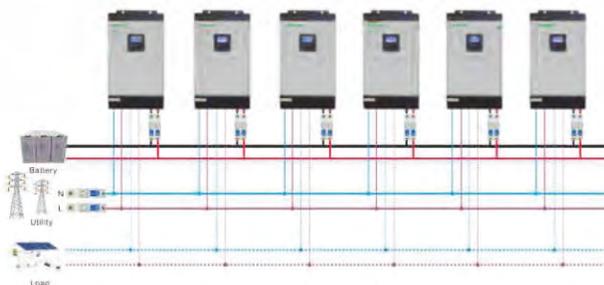
- Rated power 1KVA to 5KVA
- Pure sine wave output
- Selectable charging current based on applications.
- Off grid inverter with MPPT solar charge controller, utility battery charger and utility grid back up
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- Max MPPT Efficiency >99%
- Parallel operation with up to 6 units (available for 4KVA&5KVA)
- Overload, short circuit and Deep discharge protection
- Compatible to generator
- Cold start function
- Support USB, RS485 monitoring function
- Integrated solar power, utility grid, and battery power to supply stable and uninterrupted power



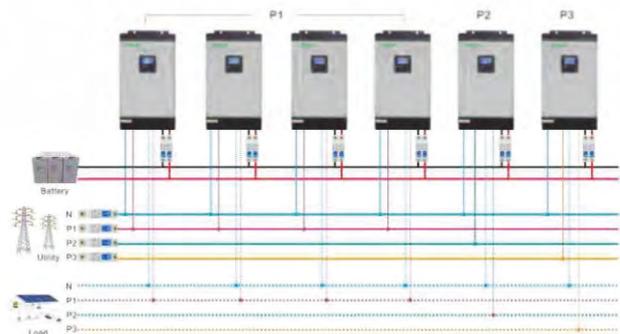
Introduction:

This is a multi-function inverter, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC utility or solar charger priority, and acceptable input voltage based on different applications

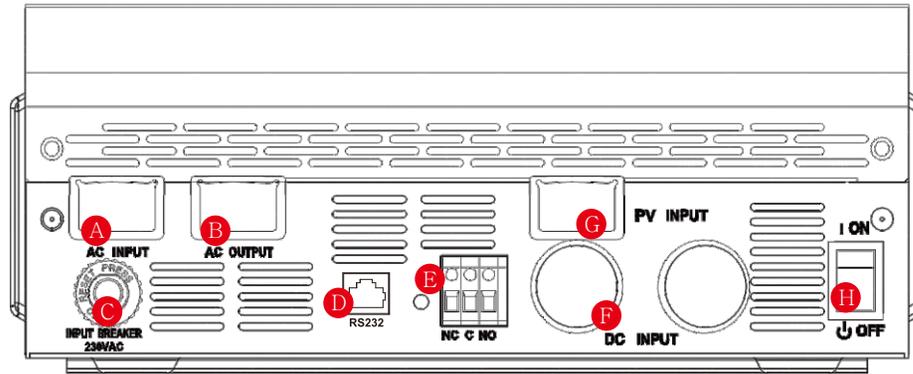
- Single phase output up to 24kw using 6 units



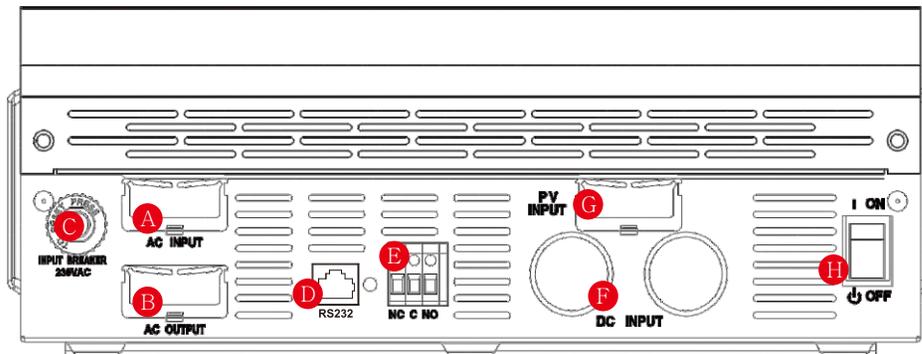
- Three phase output using either 3 units (12kw) or max 6 units (24kw)



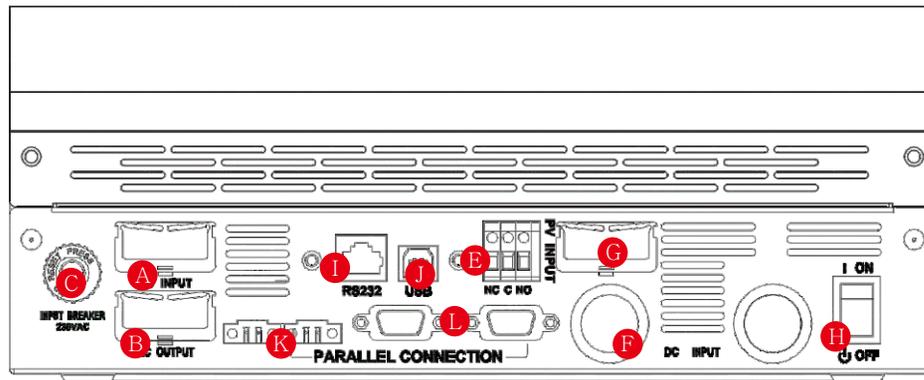
Function Description:



VPS-MS-1KVA



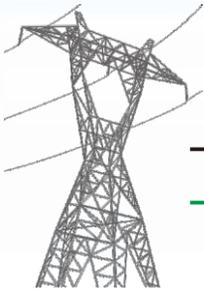
VPS-MS-3KVA



VPS-MS-5KVA

- | | | |
|---------------------------------|------------------------------|--|
| A AC input | E Dry contact | I Rs232 communication port |
| B AC output | F DC input | J USB communication port(optional) |
| C Circuit breaker | G PV input | K Current sharing cable
(only for parallel model) |
| D USB communication port | H Power on/off switch | L Parallel communication cable
(only for parallel model) |

Parallel operation with up to 6 units only available for 4KVA/5KVA



Built-in MPPT

Wall Mounted



VPS- MS Series

Off Grid Solar Inverter with MPPT Charge Controller

MODEL	VPS-MS-1K	VPS-MS-3K	VPS-MS-5K
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	230VAC±5%		
Surge Power	2000VA	6000VA	10000VA
Efficiency(Peak)	90%-93%		90%
Transfer time	10 ms (For Personal Computers) 20 ms (For Home Appliance)		
Waveform	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 or 30A	10A/20A/30A/40A/50A/60A
SOLAR CHARGER			
Maximum PV Array Power	600W	1500W	3000W
MPPT Range @ Operating Voltage	30VDC~66VDC	30VDC~115VDC	60VDC~115VDC
Maximum PV Array Open Circuit Voltage	75VDC	145VDC	145VDC
Maximum Charging Current	25A	60A	60A/80A
Maximum Efficiency		98%	
Standby Power Consumption		2W	
PHYSICAL			
Dimension , DxWxH (mm)	128*272*355		140*295*540
Net Weight (kg)	7.4	8	10
			11.05/13.5
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensation)		
Operating Temperature	0°C-55°C		
Storage Temperature	-15°C-60°C		

STANDARD: safety : IEC60950-1-1/IEC62040-1-1/ AS 62040-1-1,EMC;IEC62040-2 / AS62040-2/EN50091-2 CLASS
Design and test:IEC62040-3 / AS 62040-3

Note:Product specifications are subject to change without further notice.



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