VPS-PW Series

Off Grid Solar Inverter with PWM Charge Controller

1-5KVA

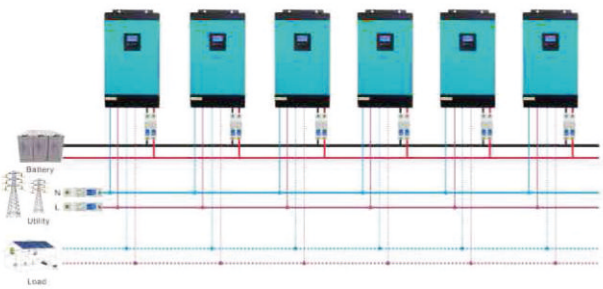
Features

- Rated power 1KVA to 5KVA
- Pure sine wave output
- Selectable charging current based on applications.
- Off grid inverter with PWM solar charge controller, utility battery charger and utility grid back up
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- 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 gird, and battery power to supply stable and uninterrupted power

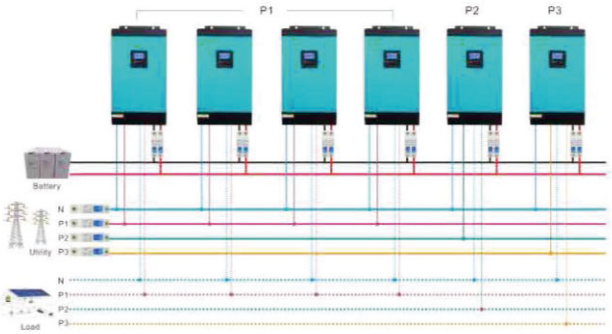
Introduction:

This is a multi-function inverter, combining functions of inverter, PWM 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.

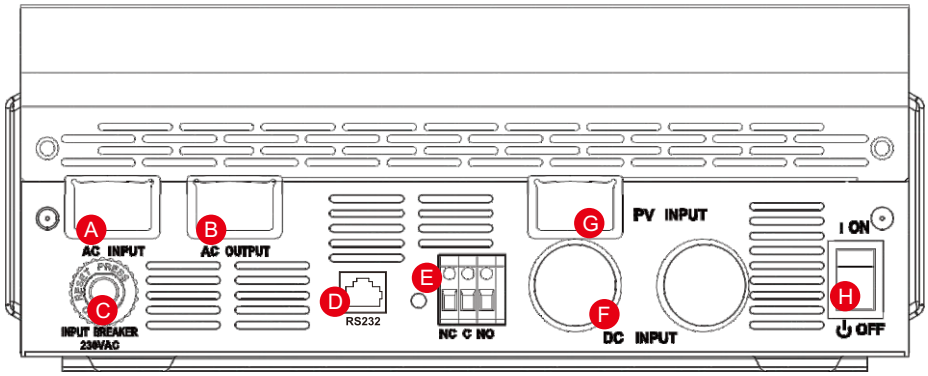
■Single phase output up to 24kw using 6 units



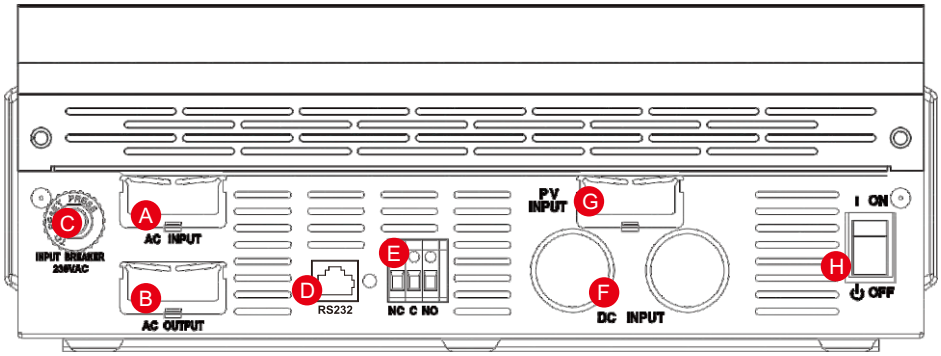
■Three phase output using either 3 units (12kw) or max 6 units (24kw)



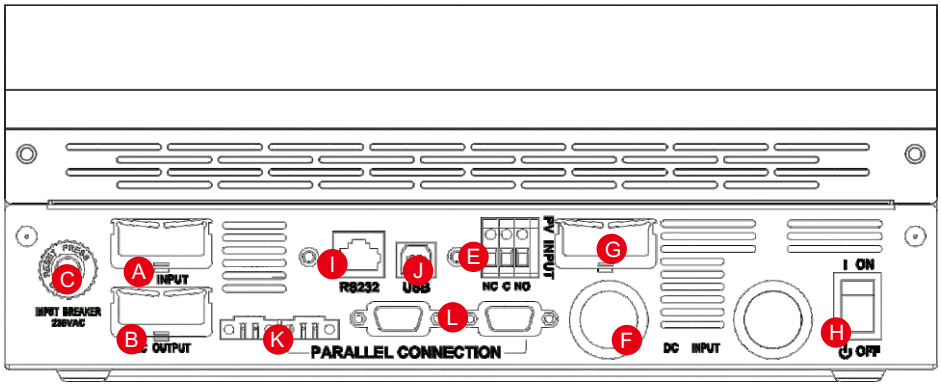
FunctionDescription:



VPS-PW-1KVA



VPS-PW-2-3KVA



VPS-PW-4-5KVA

A	AC input	E	Dry contact	I	Rs232 communication port
B	AC output	F	Battery input	J	USB communication port(optinal)
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

1 Solar inverter

up to

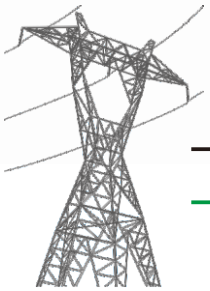
6 Solar inverter

Input

Input

AC Load

Input



Built-in MPPT

Wall Mounted

VPS-PW Series

Off Grid Solar Inverter with PWM harge Controller

MODEL	VPS-PW-1K	VPS-PW-2K	VPS-PW-3K	VPS-PW-4K	VPS-PW-5K
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
	90-280 VAC (For Home Appliances				
Fequency Range	50 Hz/60 Hz				
OUTPUT					
AC Voltage Regulation (Batt.Mode)	230VAC±5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency(Peak)	90%	93%			
Transfer Time	10 ms(For Personal Computers)				
	20 ms(For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	15.5 VDC	31 VDC		60 VDC	
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Open Circuit Voltage	50 VDC	60 VDC		105 VDC	
Standby Power Consumption	1W	2W		2W	
Maximum Solar Charge Current	50A	50A		50A	
Maximum AC Charge Current	20A	30A		60A	
Maximum Charge Current	50A	50A		110A	
PHYSICAL					
Dimension,D*W*H (mm)	100*240*318	105*272*355		120*295*468	
Net Weight (kgs)	5	6.4	6.9	9.8	
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0℃ to 55℃				
Storage Temperature	-15℃ to 60℃				

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.