

Off-Grid Hybrid Inverter

PVTS-PHW Series

Introduction:

Equipped with PWM solar charge controller to maximize and regulate DC power from the solar array for the charging the battery bank.

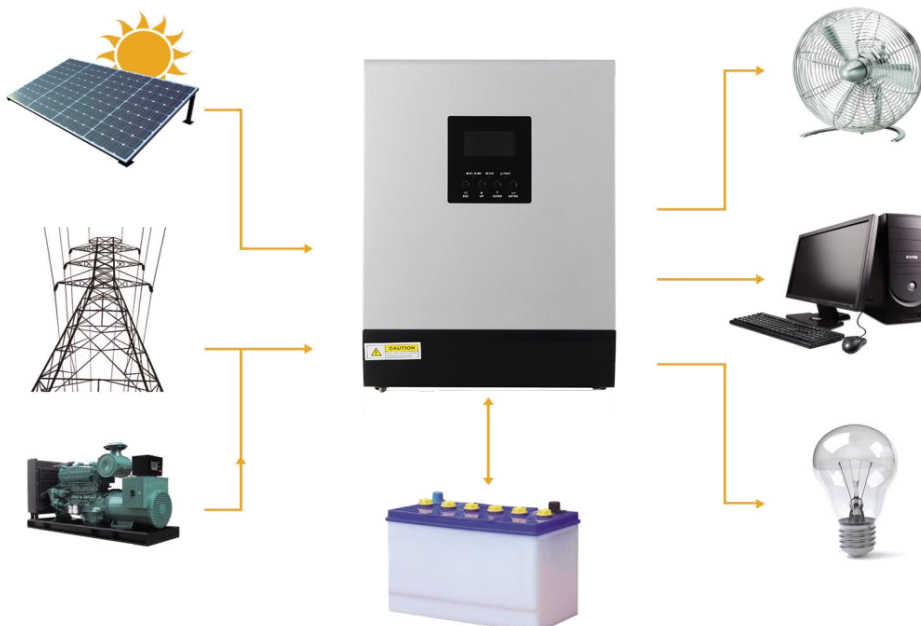
The battery can also be charged by grid power through this machine. It's possible to choose priority to use solar or grid power.

Transforming 24VDC or 48VDC into 220VAC or 110VAC, 50Hz or 60Hz auto sensing.



Features:

- Pure sine wave inverter. Built-in PWM 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.
- Smart battery charger design for optimized battery performance
- Overload and short circuit protection
- Over temperature protection
- PV reverse polarity protection



Model	PVTS0812- PHW	PVTS1624- PHW	PVTS2424- PHW	PVTS3248- PHW	PVTS4048- PHW
Rated Power	800W	1600W	2400W	3200W	4000W
Input					
Nominal Input Voltage	230Vac, 50Hz/60Hz(Auto detection)				
Selectable Voltage Range	170-280VAC (For Personal Computers); 90-280VAC (For Home Appliances)				
Max AC Input	300Vac				
Output					
AC Voltage Regulation	230VAC ± 5% (Battery Mode)				
Voltage Waveform	Pure Sine Wave				
Peak Efficiency	90%	93%			
Overload Protection	5s@≥150% load; 10s@110%~150% load				
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)				
Surge Capacity	2 x Rated Power for 5s				
Battery					
Battery Voltage	12Vdc	24Vdc		48Vdc	
Max. Charge Current	10A or 20A	20A or 30A		20A or 30A	
Solar Charger					
Charging Current (PWM)	50Amp				
Max. PV Voltage (Voc)	30Vdc	60Vdc		90Vdc	
General					
Safety Certification	CE (EN62040-1)				
Operating Environment	0°C to 55°C, 5% to 95% Relative Humidity (non-condensing)				
Dimension (D*W*H)	400*333*210 mm	500*400*220mm		600*400*220mm	
Net Weight	6kg	8.1kg	8.6kg	11.5kg	

