

Off-Grid Hybrid Inverter

PVTS-MHW Series

Introduction:

Equipped with MPPT 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 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.
- Smart battery charger design for optimized battery performance
- Overload and short circuit protection
- Over temperature protection
- PV reverse polarity protection



Model	PVTS0824 -MHW	PVTS1048 -MHW	PVTS1624 -MHW	PVTS2424 -MHW	PVTS2448 -MHW	PVTS3248 -MHW	PVTS4048 -MHW
Rated Power	1000VA/ 800W	1000VA/ 1000W	2000VA/ 1600W	3000VA/ 2400W	3000VA/ 2400W	4000VA/ 3200W	5000VA/ 4000W
Input							
Voltage	120 VAC or 230 VAC			230 VAC			
Frequency	50 Hz/60 Hz (Auto sensing)						
Output							
AC Voltage Regulation	110/120 VAC ± 5% or 230VAC ± 5%		230VAC ± 5%				
Surge Power	2000VA		4000VA	6000VA		8000VA	10000VA
Efficiency (Peak)	90%-93%		93%				
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
Battery & AC charger							
Battery Voltage	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	
Maximum Charge Current	10 A or 20 A	10 A or 15 A	20 A or 30 A	20 A or 30 A	10 A or 15 A	20 A or 30 A	
Solar Charger							
Max PV Power	600 W	900 W	600 W	600 W	900 W	3000 W	
MPPT Range @ Operating Voltage	30VDC~ 66VDC	60VDC~ 88VDC	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 88VDC	60VDC ~ 115VDC	
Max PV Open Circuit Voltage	75VDC	102VDC	75VDC	75VDC	102VDC	145VDC	
Max Charging Current	25A	20A	25A	25A	18A	60A	
Max Efficiency	98%						
Physical							
Dimension,	D495*W390*H250mm			D600*W400*H220mm			
Net Weight (kg)	9.38kg	9.65kg	10.05kg	13.5kg		14.8kg	15kg
Operating Environment							
Humidity	5% to 95% Relative Humidity(Non-condensing)						
Operating Temp	0°C - 55°C						
Storage Temp	-15°C - 60°C						

