

Portable Pure Sine Wave Inverter-Controller

PVES 300 / PVES 600 / PVES 800 / PVES 1000

Introduction:

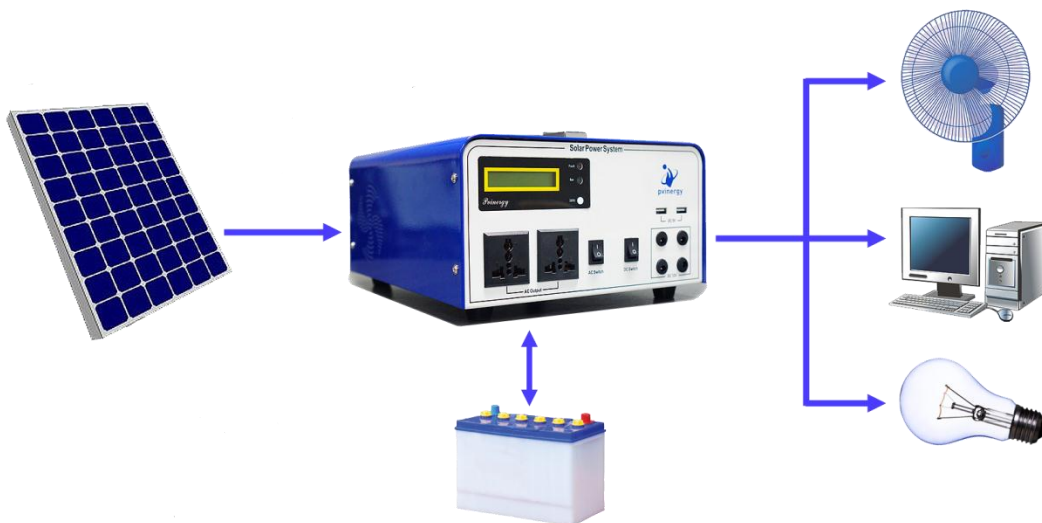
PVES series is portable pure sine wave inverter-controller, transforming 12VDC or 24VDC into 220VAC, also providing 12VDC or 24VDC, and 5VDC USB at the same time.

This series include 300W, 600W, 800W and 1000W. The system can supply power for both DC and AC electric application such as electric fan, lighting lamps, television, portable computer, etc.



Features:

- Provide DC and AC outputs
- Built-in solar & grid chargers
- Pure Sine Wave
- Portable, plug and play installation.
- USB port available for mobile devices
- Output short-circuit protection
- Over charged protection
- Over discharged protection
- Over load protection
- Over-temperature protection
- PV reverse polarity protection



Model		PVES 300	PVES 600	PVES 800	PVES 1000
Solar Charging Controller	Operating Voltage	12V	24V		
	Max PV Voltage (Voc)	25V	60V		
	Rated charging Current (PWM)	10A	10A/20A	20A	20A/30A
	Self-consumption	≤9mA			
DC Output	DC output & Application	USB 5V2A			
	DC output & Application	DC 12V 2A*4	DC 24V 2A*4		
AC Output	Output Wave	Pure Sine Wave			
	Output Voltage	110V/220V±5%			
	Output Frequency	50 Hz / 60 Hz			
	Rated Output Power	300W	600W	800W	1000W
	Surge Capacity	600W	1200W	1600W	2000W
	Efficiency	>85%			
Battery	Floating Charge Voltage	13.6V	27.2V		
	Overcharge-Protection Voltage	14.4V	28.8V		
	Low Voltage Shut off	10.5V	21V		
	High Voltage Shut off	16V	32V		
System Data	Working temp.	0°C~+45°C			
	Cooling Fan	The cooling fan functions when temperature reaches 45°C.			
Mechanical	Weight	5.5Kg	5.7Kg	6.0Kg	6.2Kg
	Standard	CE Certificate			
Configuration	PVES 300	PVES 600	PVES 800	PVES 1000	
Battery	12V/ 100AH Lead-Acid	24V/ 100AH Lead-Acid	24V/ 100AH Lead-Acid	24V/ 200AH Lead-Acid	
Solar Panel	120W	250W	250W	250W*2	
Loads	4PCS 3W LED lights - 10 hours 60W Fan - 5 hours 50W TV - 6 hours 65W Laptop - 3 hours	4PCS 3W LED lights - 10 hours 60W Fan - 10 hours 50W TV - 10 hours 65W Laptop - 5 hours 150W Fridge - 1 hours	4PCS 3W LED lights - 10 hours 60W Fan - 10 hours 50W TV - 10 hours 65W Laptop - 6 hours 150W Fridge - 2 hours	4PCS 3W LED lights - 10 hours 60W Fan - 15 hours 50W TV - 15 hours 65W Laptop - 10 hours 150W Fridge - 4 hours	

