

Inverter 3000-5000 PWM

- Pure Sine Wave Inverter
- Configurable input voltage via LCD Setting
- Configurable battery charging current Via LCD setting
- Output Power Factor 1.0
- Configurable AC/Solar Charger Priority via LCD setting
- Compatible to main Voltage or generator power
- Auto restart while AC is recovering
- Overload/ over temperature / short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start functions

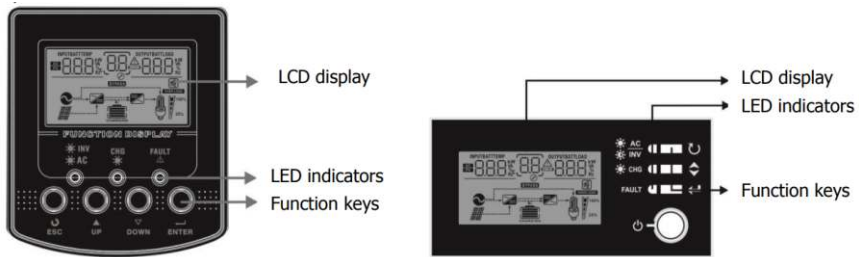
PowerWalker Inverter 3000-5000 PWM series is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.



TECHNICALS SPECIFICATIONS

MODEL	Inverter 3000 PWM		Inverter 5000 PWM
Power (VA/ W)	3000VA/3000W		5000VA/5000W
INPUT			
Voltage	230 VAC		
Selectable voltage range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (bat.mode)	230VAC ± 5%		
Surge Power	6000VA	10000VA	
Efficiency (Peak)	90% ~ 93%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Battery			
Battery Voltage	24 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	
Overcharge protection	33VDC	63VDC	
Solar Charger & AC Charger			
Solar Charger type	PWM	PWM	
Maximum PV Array open Circuit Voltage	80 VDC	105VDC	
Maximum PV array power	1200 W	2400W	
MPP Range @ Operating Voltage	N/A	N/A	
Maximum Solar Charge Current	50 A	50A	
Maximum AC Charge Current	25A	60A	
Maximum Charge Current	70A	110A	
Physical			
Dimension D x W x H (mm)	100 x 285 x 334	100 x 300 x 440	
Net Weight (kgs)	6,3	8,5	
Communication Interface	USB/RS232		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensasing)		
Operanting Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		

Operation and Display Panel



The operation and display panel show the front panel of the inverter. It includes three indicators, four function keys and a LCD display, indicating the operating status and input/output power information.

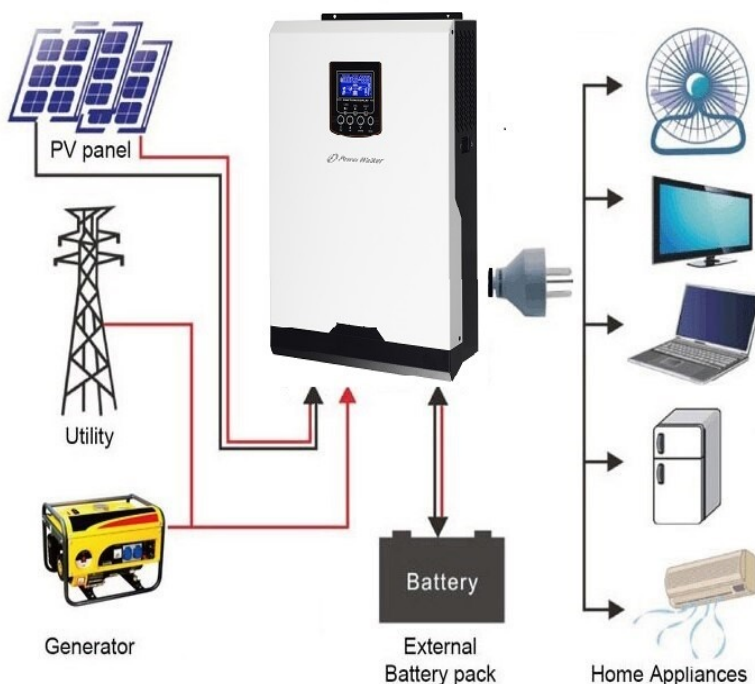
Back Side Panel



The rear panel is equipped with AC Input/Output, Battery connector, PV connector, USB Communication.

Basic Application

Solar Inverter



The following illustration shows basic application for this multi-function inverter/charger. It can be used with utility or generator as input source. Configurable external battery setup for backup function (optional available). Strong PV charger allows fast recharge of external batteries. The PowerWalker Inverter 3000-5000 PWM, due to its pure sine wave inverter operation, can power all kinds of appliances in home or office environment, including motor-type appliances, tube light, fan, refrigerator and air conditioner.