

# ***POWER INVERTER***



## **FEATURES**

- High frequency transformer less design ensuring high efficiency
- Light weight & compact design
- High reliability
- Noiseless in operation
- High surge capability for starting heavy load
- Ultra-compact metal housing
- Wall mounting options available

## Technical Specification

Model	PI150	PI300	PI600	PI800	PI1000	PI1500	PI2000	PI3000
Nominal Input Voltage (DC)	12V,13.7A	12V,27.5A	12V,55A	12V,73A	12V,91A	12V,137A	12V,183A	12V,275A
Nominal Input Voltage Range (DC)	12V (10-15V)							
Output Power (Continuous Watts)	150W	300W	600W	800W	1000W	1500W	2000W	3000W
Output Power (Continuous Amp.)	0.65A	1.3A	2.7A	3.5A	4.4A	6.5A	8.7A	13.1A
Output Power (Peak Watts)For 0.5 sec	300W	600W	1200W	1600W	2000W	3000W	4000W	6000W
Standby Current	≤0.21A	≤0.35A	≤0.5A	≤0.6A	≤0.6A	≤0.7A	≤0.7A	≤0.6A
Nominal Output Voltage (AC)	220-240V~							
Frequency	50Hz-60Hz (+/-5% Crystal Controlled)							
Output Regulation	+/-5% Intelligent PWM							
Output Waveform	Modified Sine Wave							
Low Battery-Voltage Alarm (Volts)	10.5+/-0.5V							
Low Battery-Voltage Shutdown (Volts)	10+/-0.5V							
Efficiency	85~90%							
Thermal Protection	65OC+/-5 OC							
Overload	Shut Down & Alarm							
Battery Polarity Reverse	By Fuse							
Output Short	Output Short Circuit Protection							
With Cooling Fan	No	Yes			Yes Auto-operation fan (temperature or load)			
AC Outlets Socket	1	1	1	1	U.S.A Type: 2AC Outlets/European type: 2AC Outlets			
Replaceable Fuse	20A	40A	3x25A	4x25A	6x20A	9x20A	12x25A	18x25A
Dimension (L×W×H) cm	15x12.5x5.2	15x12.5x5.2	19x11.1x5.5	26x16.4x6.2	26x19.8x7	32x19.8x7	43x19.8x7	32x21x15.5
Weight	0.55Kg	0.75Kg	1.75Kg	2.3Kg	2.9Kg	4.3Kg	5.2Kg	7.3Kg

### Note:

- Some appliances that use an electric motor or transformer on initial power on may draw 2 to 6 times of the rated power. these are called inductive loads and are the most difficult for the inverter to run.
- For these appliances it is often a matter of trial and error to see what size inverter they will run on.

### Protections

- Battery Deep discharge protection
- Battery reverse polarity protection
- Over/Under input voltage protection
- Over Load protection
- short circuit protection
- Controller Over heating protection

### Dubai Office

A:Shop No .8.Al Waswasi Building,Nakheel Road  
Satrlite Market ,Deira Dubai U.A.E  
P.O.BOX 39158  
T: +97142643339  
E: sates.mi@restarsolar.com

### Factory Address

A:No.2 Jinxi Industry Park,Zhulin Town Jintan  
District,Changzhou City,Jiangsu Province  
China,213241  
T: +86519-82983001  
FAX: +8651982983000  
W: www.restarsolar.com  
E: info@restarsolar.com