

# Pure Sine Wave Inverter

## PI1500 Series



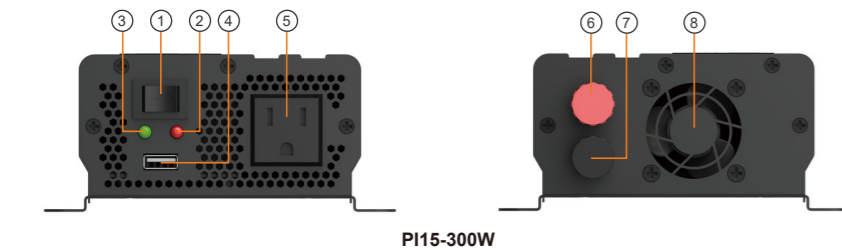
### Features

- Input Voltage 12V / 24V DC optional
- Output Voltage 115V / 230V AC optional
- Portable power for AC products, AC outlets for connecting multiple loads
- High surge capacity for products that require more power to start
- High efficiency converts virtually all of the battery's power to AC
- Mounting brackets for convenient installation
- Heavy duty stud-connection mounting
- RS232 communication port
- WIFI/BMS Optional
- Overload and over temperature shut down
- Low voltage and over voltage alarm/cut off
- Input reverse protection
- Short circuit protection

### Introduction

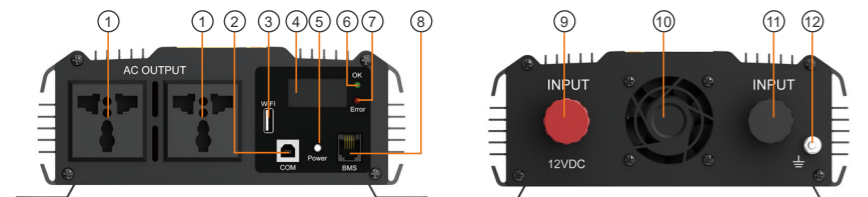
PI15 series is a pure sine wave inverter, high frequency machine solution, the product is small size, the solution is reliable and stable, the main function is to invert the DC 12VDC battery or 24VDC battery to AC 230VAC or AC 115VAC output, mainly used for emergency use Electricity, car inverter, outdoor electricity and other occasions.

### Back panel printing description



PI15-300W

1. Power Switch
2. Error Res LED
3. OK Green LED
4. USB Output
5. AC Output
6. Battery Input +
7. Battery Input -
8. Fan



PI15-1000W

1. AC Output
2. Communication port
3. USB WIFI
4. LCD Display
5. Power Switch
6. OK Green LED
7. Error Res LED
8. BMS port
9. Battery Input +
10. Fan
11. Battery Input -
12. Circuit breaker

### Specification — 300W

MODEL		PI15-0312	PI15-0324	PI15-0312LV	PI15-0324LV
Battery DC Input	Input Voltage	12VDC	24VDC	12VDC	24VDC
	Low Voltage Warning	11.5V	23.0V	11.5V	23.0V
	Low Voltage Protect	10.5V	21.0V	10.5V	21.0V
	Low Voltage Protect Delay	2 seconds			
	Low Voltage Restoring	12.5V	25.0V	12.5V	25.0V
	Over Voltage Protect	15.5V	31.0V	15.5V	31.0V
	Over Voltage Restoring	15.0V	30.0V	15.0V	30.0V
Inverter AC Output	Default Power	300W			
	Peak Power	600W			
	Output AC Voltage	230V		120V	
	Output AC Frequency	50Hz		60Hz	
	Output Wave	Pure Sine Wave			
	Output Wave THD	< 3%			
USB	USB Output	USB A type - 5V 1.5A			
Protection	Battery Input Protection	Battery Input Reverse, Low Voltage Protection, Over Voltage Protection			
	Inverter Output Protection	Output Overload, Short-Circuit, Over Temperature Protection			
Display	LED Display	Red: Error ; Green: System OK			
Efficiency	Peak Conversion efficiency	91%			
Environment	Protection Degree	IP32			
	Working Environment	Indoor Fan cooling			
	Environmental temperature	0~45°C			
	Ambient humidity	20%~90%, No condensation			
Dimensions	Altitude	≤3000m			
	Size (L*W*H)	132*177.5*59 mm			
	Weight (KG)	1kg			

### Specification — 1000W

MODEL		PI15-1012	PI15-1024	PI15-1012LV	PI15-1024LV
Battery DC Input	Input Voltage	12VDC	24VDC	12VDC	24VDC
	Low Voltage Warning	11.5V	23.0V	11.5V	23.0V
	Low Voltage Protect	10.5V	21.0V	10.5V	21.0V
	Low Voltage Protect Delay	2 seconds			
	Low Voltage Restoring	12.5V	25.0V	12.5V	25.0V
	Over Voltage Protect	15.5V	31.0V	15.5V	31.0V
	Over Voltage Restoring	15.0V	30.0V	15.0V	30.0V
Inverter AC Output	Default Power	1000W			
	Peak Power	2000W			
	Output AC Voltage	230V		120V	
	Output AC Frequency	50Hz		60Hz	
	Output Wave	Pure Sine Wave			
	Output Wave THD	< 3%			
USB	USB Output	USB A type - 5V 1.5A			
Protection	Battery Input Protection	Low Voltage Protection, Over Voltage Protection			
	Inverter Output Protection	Output Overload, Short-Circuit, Over Temperature Protection			
Display	LED Display	Red: Error ; Green: System OK			
	LED Digital Display	Display Battery Voltage, Output Power, Output Voltage, Error Numbers			
Communication	PC(Default)	USB B type Socket			
	WIFI(Optional)	USB A type Socket			
	BMS to Li Battery(Optional)	RJ11 type Socket			
Efficiency	Peak Conversion efficiency	90%			
Environment	Protection Degree	IP32			
	Working Environment	Indoor Fan cooling			
	Environmental temperature	0~45°C			
	Ambient humidity	20%~90%, No condensation			
Dimensions	Altitude	≤3000m			
	Size (L*W*H)	220*253*80 mm			

The technical specifications of this document are subject to change without any notice