

# PE150 Series

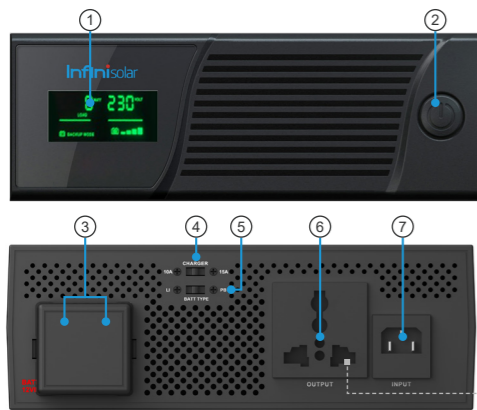
1~2KVA | 12V/24V | 230V

PE150 series is a pure sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly installation and setting.



- Pure sine wave inverter
- Low shutdown loss for energy storage system application
- Support two kinds of batteries: Lithium Battery Pack and Lead-acid Battery
- Support fast max charging current setting
- Different charging mode for different kinds of batteries
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery reverse polarity protection, Deep discharge protection
- Advanced technology optimizes battery life
- Automatic line-to-battery switch over
- Automatic activate lithium battery pack which is be over discharged no output when AC input is OK

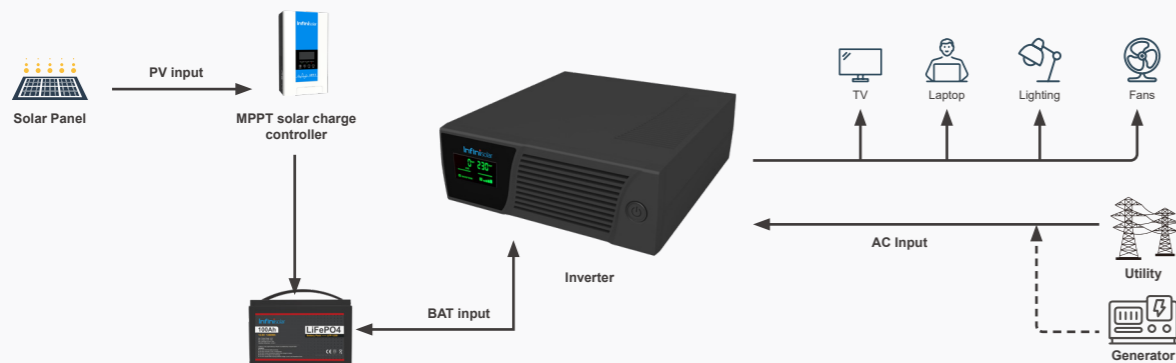
## Back panel description



1. ON / OFF
2. LCD Screen
3. DC Input Connector (Battery Terminal)
4. Charging max current setting switch
5. Battery kind setting switch
6. Output Receptacle(s)
7. AC Input with fuse box



## Solar system connection



## Specification

MODEL	PE15-1012	PE15-1512	PE15-2024
Nominal Battery System Voltage	12VDC	12VDC	24VDC
<b>INVERTER OUTPUT</b>			
Rated Power	1000VA / 600W	1500VA / 1000W	2000VA / 1200W
Waveform	Pure Sine Wave		
Nominal Output Voltage RMS	230V		
Output Voltage Regulation	+10/-18%		
Output Frequency	50Hz / 60Hz ±1Hz		
Inverter Efficiency (Peak)	>90%		
Line Mode Efficiency	>95%		
Typical Transfer Time	<10ms typical, 20ms max		
<b>AC INPUT</b>			
Voltage	230VAC		
Voltage Range	184 ~ 278VAC ± 3%		
Frequency Range	45 ~ 65Hz ± 2Hz		

<b>BATTERY</b>						
<b>Note: Below Parameters (PB) Lead-acid Battery / (LI) LiFePO4 Lithium Battery Pack - 12V(4 Series) 24V(8 Series)</b>						
Nominal Input Voltage	12VDC		12VDC		24VDC	
Low Battery Cutoff	10.5VDC(PB)	11.5VDC(LI)	10.5VDC(PB)	11.5VDC(LI)	21.0VDC(PB)	23.0VDC(LI)
Low Battery Alarm	11.0VDC(PB)	12.0VDC(LI)	11.0VDC(PB)	12.0VDC(LI)	22.0VDC(PB)	24.0VDC(LI)
Low Battery Voltage Recover	12.5VDC(PB)	12.8VDC(LI)	12.5VDC(PB)	12.8VDC(LI)	25.0VDC(PB)	25.6VDC(LI)
High Battery Voltage Recover	14.5VDC(PB)	14.5VDC(LI)	14.5VDC(PB)	14.5VDC(LI)	29.0VDC(PB)	29.0VDC(LI)
High Battery Cutoff	15.0VDC(PB)	15.0VDC(LI)	15.0VDC(PB)	15.0VDC(LI)	30.0VDC(PB)	30.0VDC(LI)

<b>CHARGER</b>						
Boost Voltage	14.4VDC(PB)	14.4VDC(LI)	14.4VDC(PB)	14.4VDC(LI)	28.8VDC(PB)	28.8VDC(LI)
Float Voltage	13.8VDC(PB)	14.4VDC(LI)	13.8VDC(PB)	14.4VDC(LI)	27.6VDC(PB)	28.8VDC(LI)
Charging Current	10A±2A @ 12V		10A±2A @ 12V		7A±2A @ 24V	
Charging Current	20A±2A @ 12V		20A±2A @ 12V		15A±2A @ 24V	
Overcharge Protection S.D.	15.5VDC		15.5VDC		31VDC	

<b>BYPASS &amp; PROTECTION</b>						
Nominal Input Frequency	50Hz / 60Hz (Auto sensing)					
Overload Protection (SMPS Load)	FUSE					
Output Short Circuit Protection	6.3A		10A		10A	
Bypass Fuse Rating	6.3A		10A		10A	
Max Bypass Current	6.3A		10A		10A	

<b>MECHANICAL SPECIFICATIONS</b>						
Dimensions (W*H*D)	255*224*80mm					
Package Dimensions (W*H*D)	/					
N.W (kg)	/					
G.W (kg)	/					

<b>OTHER</b>						
Operation Temperature Range	0°C to 40°C					
Audible Noise	60dB MAX					
Display	LCD					
Standard Warranty	1 year					