

# Pure Sine Wave DC to AC Power Inverter - P Series

**Inverter Expert** **P150/P200/P300**

**Features:**

Input & output fully isolated. ◀

With USB output port ◀

**High Surge:** High surge current capability starts difficult loads such as TVs, ◀  
camps, motors and other inductive loads.

**Soft start:** Smooth start-up of the appliances. ◀

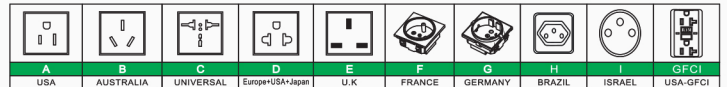
**Pure Sine Wave Output Waveform:** Clean power for sensitive loads. ◀

**AC output** identical to, and in some cases ◀  
better than the power supplied by your utility.

**Cooling Fan:** Control by load or temperature (optional) ◀

**Low Total Harmonic Distortion:** below 3% ◀

**AC Output Receptacles(optional)**



## ■ SPECIFICATION:

MODEL	P150-122	P150-242	P200-122	P200-242	P300-122	P300-242	
OUTPUT	AC VOLTAGE	220/230/240VAC					
	RATED POWER	150W		200W		300W	
	SURGE POWER	300W(for few seconds)		400W(for few seconds)		600W(for few seconds)	
	USB	5V,500mA or 2.1A(optional)					
	WAVEFORM	Pure Sine Wave(THD<3%)					
	FREQUENCY	50/60Hz ±3Hz					
	AC REGULATION	±5%					
STANDARD RECEPTACLES	A, B, C, D, E, F, G, H, I, GFCI(optional above)						
LED INDICATOR	Green for power on, red for failure / protection status indication						
INPUT	NO LOAD CURRENT DRAW	≤0.5A					
	DC VOLTAGE	12V	24V	12V	24V	12V	24V
	VOLTAGE RANGE	9.5~16.0VDC	19.0-32.0VDC	9.5~16.0VDC	19.0-32.0VDC	9.5~16.0VDC	19.0-32.0VDC
	EFFICIENCY (Typ.)	>90%	>90.0%	>90.0%	>93.0%	>90.0%	>93.0%
	FUSE	20A*1	10A*1	30A*1	15A*1	40A*1	20A*1
	DC CABLE	BVR2.5m <sup>2</sup> *2	BVR1.5m <sup>2</sup> *2	BVR2.5m <sup>2</sup> *2	BVR1.5m <sup>2</sup> *2	BVR4m <sup>2</sup> *2	BVR2.5m <sup>2</sup> *2
PROTECTION	BAT.LOW ALARM	11±0.5V DC	22±1V DC	11±0.5V DC	22±1VDC	11±0.5V DC	22±1VDC
	BAT.LOW SHUTDOWN	10±0.5V DC	20±1V DC	10±0.5V DC	21±1VDC	10±0.5V DC	21±1VDC
	OVERLOAD	Shutdown					
	OVER VOLTAGE	15.5±0.5V DC	29.6±1V DC	14.8±0.5V DC	29.6±1VDC	14.8±0.5V DC	29.6±1VDC
	OVER TEMPERATURE	Shut-off output voltage, recover automatically after temperature goes down					
	SHORT CIRCUIT	Shut-off output voltage, repower on to recover					
	BAT.REVERSE POLARITY	By fuse open					
	SOFT START	Yes 5~10s					
EARTH LEAKAGE	Yes						
ENVIRONMENT	RESET VOLTAGE AFTER LVS	11.8~12.8V DC	23.6~25.6V DC	11.8~12.8V DC	23.6~25.6V DC	11.8~12.8V DC	23.6~25.6V DC
	WORKING TEMP.	0-40℃					
	WORKING HUMIDITY	20%-90% RH non-condensing					
SAFETY & EMC	STORAGE TEMP.& HUMIDITY	-30℃-70℃ 22° F-185° F、10-95%					
	SAFETY STANDARDS	UL458(only for GFCI receptacle)					
	ISOLATION RESISTANCE	I/P-O/P: 1000Ohms/500VDC					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A					
	EMS IMMUNITY	Compliance to EN61000-3-2, 3					
	LVD	Compliance to EN60950-1: 2006+A11:2009					
OTHERS	E- MARK	Compliance to E8*72/245/EEC, 95/54/EC					
	DIMENSION	226*108*62mm					
	PACKING	1.27Kg, 16pcs/20.8Kgs/Ctn(53.5*34*30.5cm)					
	COOLING FAN	Control by load/temperature(optional)					
	APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems .....etc.					

- Soft Start High Efficiency Turbo Cooling fan
- Universal Protection Circuit Battery Low Shutdown Overload Protection Over temperature
- Compact Design
- L.I.T Low Interference Technology
- USB USB 5V = 2.1A
- New Energy Solution
- Mobile AC Source
- 100% pure sine wave output, better than public power.

### INSTALLATION

