

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
AC VOLTAGE	220/230/240VAC					
RATED POWER	300W					
SURGE POWER	600W(for few seconds)					
USB	5V,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					
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	BVR2.5m²*2	BVR1.5m²*2	BVR2.5m²*2	BVR1.5m²*2	BVR4m²*2	BVR2.5m²*2
BAT.LOW ALARM	11±0.5V DC	22±1V DC	11±0.5V DC	22±1V DC	11±0.5V DC	22±1V DC
BAT.LOW SHUTDOWN	10±0.5V DC	20±1V DC	10±0.5V DC	21±1V DC	10±0.5V DC	21±1V DC
OVERLOAD	Shutdown					
OVER VOLTAGE	15.5±0.5V DC	29.6±1V DC	14.8±0.5V DC	29.6±1V DC	14.8±0.5V DC	29.6±1V DC
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					
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					
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					
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 systemsetc.					

INSTALLATION

