

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

## Inverter Expert P400U-400W with USB

### 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. ◀

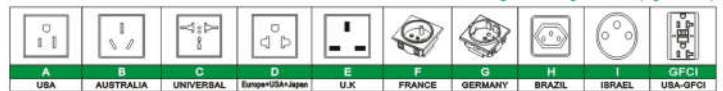
**AC output** identical to, and in some cases better than the power supplied by your utility. ◀

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

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



### AC Output Receptacles(optional)



### ■ SPECIFICATION:

MODEL	P400U-121	P400U-241	P400U-122	P400U-242
AC VOLTAGE	100/110/120VAC		220/230/240VAC	
RATED POWER	400W			
SURGE POWER	800W(for few seconds)			
USB	5V,500mA(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			
NOLOAD CURRENT DRAW	≤0.6A			
DC VOLTAGE	12V	24V	12V	24V
VOLTAGE RANGE	9.5~16.0VDC	19.0~32.0VDC	9.5~16.0VDC	19.0~32.0VDC
EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>93.0%
FUSE	50A*1	25A*1	50A*1	25A*1
DC CABLE	BVR4*2		BVR2.5*2	
BATLOW ALARM	11±0.5V DC	22±1V DC	11±0.5V DC	22±1V DC
BATLOW SHUTDOWN	10±0.5V DC	20±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
OVER TEMPRETURE	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
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	260*150*58mm			
PACKING	1.6Kg, 6pcs/13Kgs/Ctn(57*30.5*30cm)			
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
- Compact Design
- L.I.T. Low Interference Technology
- USB 5V 500mA
- New Energy Solution
- Mobile AC Source
- 100% pure sine wave output, better than public power

### INSTALLATION



Note: If without USB, Model is P400