

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 ◀

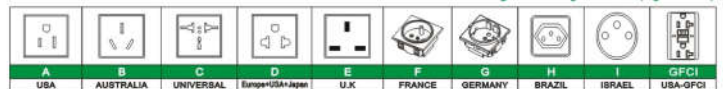
better than the power supplied by your utility.

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
OUTPUT	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				
INPUT	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
PROTECTION	DC CABLE	BVR4*2		BVR2.5*2	
	BATLOWALARM	11±0.5V DC	22±1V DC	11±0.5V DC	22±1VDC
	BATLOW SHUTDOWN	10±0.5V DC	20±1V D C	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
	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			
ENVIRONMENT	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℃			
SAFETY & EMC	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			
OTHERS	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 systemsetc.			

 Soft Start

 High Efficiency

 Turbo Cooling fan

 Universal Protection Circuit

 Home Appliance
Power Tools
Vehicle
Solar Power System

 Compact Design

 L.I.T.
Low Interference Technology

 USB

USB 5V  500mA

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