



Features: ■

- Soft start: smooth start-up of appliances ◀
- Universal Protection Circuit: Over-voltage, thermal protection, earth fault protection, overload protection, short circuit protection, bat. Polarity reverse protection, low voltage protection ◀
- USB output: 5V, 500mA (note: as charger function only) ◀
- Thermal Methods: Dual cooling fans, temp. control or 30% load auto. on ◀
- Do not use the USB charge for your appliances when the low battery voltage happen! ◀
- With power ON/OFF switch and 2 LED indicator ◀
- 100% pure sine wave output, better than public ◀
- The surge power twice as rated power ◀
- Low Interference Technology ◀
- High surge and efficient ◀
- 1.5 Year warranty ◀



300W
RATED POWER



600W
SURGE POWER

1.5 YEAR LIMITED WARRANTY

5V, 500mA **USB**

Pure sine wave power inverter

■ Specification:



▲ AC Output Receptacles (optional)

A*2ea	B*1ea	C*1ea	D*2ea	E*1ea	F*1ea	G*1ea	GFCI*1ea
USA	AUSTRALIA	UNIVERSAL	Europe+USA+Japan	U.K	FRANCE	GERMANY	USA-GFCI

ORDER No. (With U, means With USB Output Port)	P300U-121	P300-121	P300U-241	P300-241	P300U-122	P300-122	P300U-242	P300-242
OUTPUT	AC VOLTAGE	100/110/120VAC			220/230/240VAC			
	RATED POWER	300W						
	SURGE POWER	600W						
	USB	5V, 500mA, (Without USB, Model No.: P300-***)						
	WAVEFORM	Pure sine wave (THD<3%)						
	FREQUENCY	50/60Hz selectable						
	AC REGULATION	±3%						
	STANDARD RECEPTACLES	A, B, C, D, E, F, G, GFCI Selectable (as above)						
INPUT	LED INDICATOR	Green for power on, Red for failure State indication						
	NO LOAD CURRENT DRAW	0.87A	0.43A	0.83A	0.43A			
	DC VOLTAGE	12VDC	24VDC	12VDC	24VDC			
	VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0VDC	10.5~15.0VDC	21.0~30.0VDC			
	EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>93.0%			
	FUSE	50A*1	25A*1	50A*1	25A*1			
PROTECTION	BAT. LOW ALARM	11VDC	22VDC	11VDC	22VDC			
	BAT. LOW SHUTDOWN	10.5VDC	21.0VDC	10.5VDC	21.0VDC			
	OVER LOAD	Shut-off output voltage, re-power on to recover						
	OVER VOLTAGE	15.3VDC	30.6VDC	15.3VDC	30.6VDC			
	OVER TEMPERATURE	Shut-off output voltage, recover automatically after temperature goes down						
	OUTPUT SHORT	Shut-off output voltage, re-power on to recover						
ENVIRONMENT	BAT. POLARITY REVERSE	By fuse open						
	WORKING TEMP.	0-40 °C						
	WORKING HUMIDITY	20%-90% RH non-condensing						
SAFETY & EMC	STORAGE TEMP. & HUMIDITY	-30 °C -70 °C 22°F-158°F/10-95%						
	SAFETY STANDARDS	UL 458 (only for GFCI receptacles)						
	ISOLATION RESISTANCE	I/P-O/P: 1000Ω/500VDC						
	EMI CONDUCTION & RADIATION	Compliance to En55022 Class A						
OTHERS	EMS IMMUNITY	Compliance to EN61000-3-2,3						
	LVD	Compliance to EN60950-1						
	E-MARK	Compliance to e8*72/245/EEC, 95/54/EC						
OTHERS	DIMENSION	260*150*58MM						
	PACKING	2kg; 6 sets/13kgs/C.T. 57*30.5*30CM						
	COOLING	Built-in cooling fan controlled by Tem. automatically						
	APPLICATION	Home and office appliances, Power tools and potable equipments, Vehicle and solar power systemsetc.						

Soft Start
 High Efficient
 Turbo Cooling

Universal Protection Circuit
 Battery Overvoltage, earth fault, Short circuit, Over temperature

Compact Design

L.I.T
Low Interference Technology

USB 5V 500mA

New Energy Solve Way

Mobile AC Source

100% pure sine wave output, better than public power.

INSTALLATION SCHEMATIC

