

Pure Sine Wave DC to AC Power Inverter - P Series

Inverter Expert **P300-300W with USB**



Features: ■

Input & output fully isolated. ◀

With USB output port ◀

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

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

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

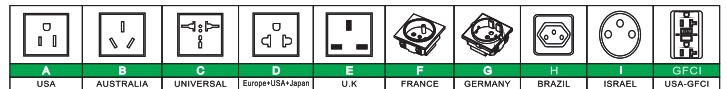
AC output identical to, and in some cases ◀

better than the power supplied by your utility.

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

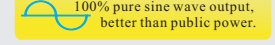
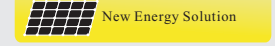
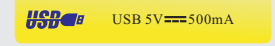
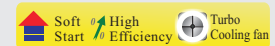
Low Total Harmonic Distortion: below 3% ◀

AC Output Receptacles(optional)



■ SPECIFICATION:

MODEL		P300-121	P300-241	P300-481	P300-122	P300-242	P300-482
OUTPUT	AC VOLTAGE	100/110/120VAC			220/230/240VAC		
	RATED POWER	300W					
	SURGE POWER	600W(for few seconds)					
	USB	5V, 2.1A					
	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	≤0.6A					
	DC VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE	9.5~16.0VDC	19.0~32.0VDC	38.0~64.0VDC	9.5~16.0VDC	19.0~32.0VDC	38.0~64.0VDC
	EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>87.0%	>90.0%	>90.0%
	FUSE	50A*1	25A*1	15A*1	50A*1	25A*1	15A*1
	DC CABLE	BVR4*2			BVR4*2		
PROTECTION	BAT.LOW ALARM	11±0.5V DC	22±1V DC	44±2V DC	11±0.5V DC	22±1V DC	44±2V DC
	BAT.LOW SHUTDOWN	10±0.5V DC	20±1V DC	40±2V DC	10±0.5V DC	20±1V DC	40±2V DC
	OVERLOAD	Shutdown					
	OVER VOLTAGE	15.5±0.5V DC	29.6±1V DC	59.2±2V DC	15.5±0.5V DC	29.6±1V DC	59.2±2V 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	47.2~51.2V DC	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC
ENVIRONMENT	WORKING TEMP.	0-40℃					
	WORKING HUMIDITY	20%-90% RH non-condensing					
SAFETY & EMC	STORAGE TEMP.& HUMIDITY	-30℃~70℃ 22°F-185°F、10-95%					
	EMC	Compliance to EMC Directive 2014/30/EU					
	LVD	Compliance to LVD Directive 2014/35/EU					
	ROHS	Compliance to EU 2015/863 2011/65/EU					
	EMARK	Compliance to ECE R10.05:2014					
OTHERS	IEC	Compliance to IEC62368					
	DIMENSION	226*108*62mm					
	PACKING	0.82Kg, 16pcs/18.6Kgs/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

