

Pure Sine Wave DC to AC Power Inverter - P Series

Inverter Expert **P2500-2500W 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. ◀

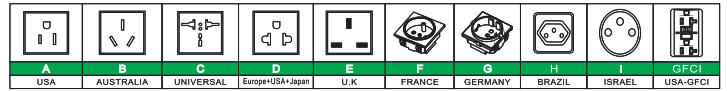
AC output identical to, and in some cases better than the power supplied by your utility. ◀

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

Low Total Harmonic Distortion: below 3% ◀

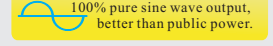
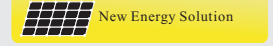
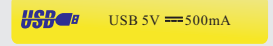
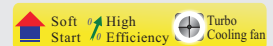
Remote Control: optional ◀

AC Output Receptacles(optional)



■ SPECIFICATION:

MODEL		P2500-121	P2500-241	P2500-481	P2500-122	P2500-242	P2500-482
OUTPUT	AC VOLTAGE	100/110/120VAC			220/230/240VAC		
	RATED POWER	2500W					
	SURGE POWER	5000W(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 as above)					
LED INDICATOR		Green for power on, red for failure / protection status indication					
INPUT	NO LOAD CURRENT DRAW	≤1.5A					
	DC VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE	10.5~15.0VDC	21.0-30.0V DC	42~60V DC	10.5~15.0VDC	21.0-30.0V DC	42~60V DC
	EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>87.0%	>90.0%	>90.0%
	FUSE	50A*6	25A*6	15A*6	50A*6	25A*6	15A*6
	DC CABLE	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2
	BAT.LOW ALARM	11±0.5V DC	22±1V DC	44±2V DC	11±0.5V DC	22±1V DC	44±2V DC
PROTECTION	BAT.LOW SHUTDOWN	10.5±0.5V DC	21.0±1V DC	42±2V DC	10.5±0.5V DC	21.0±1V DC	42±2V DC
	OVERLOAD	Shutdown					
	OVER VOLTAGE	14.8±0.5V DC	29.6±1V DC	58.4±2V DC	14.8±0.5V DC	29.6±1V DC	58.4±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					
ENVIRONMENT	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
	WORKING TEMP.	0-40°C					
	WORKING HUMIDITY	20%-90% RH non-condensing					
SAFETY & EMC	STORAGE TEMP.& HUMIDITY	-30°C~70°C 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					
	REMOTE CONTROL	Switch with 5m wire (optional)					
	DIMENSION	488*230*108mm					
	PACKING	7.8Kg, 2pcs/18.9Kgs/Ctn(56*32*40cm)					
	COOLING FAN	Control by load/temperature(optional)					
APPLICATION		Home and office appliances, Power tools and portable equipments, Vehicle and solar power systemsetc.					



INSTALLATION

