

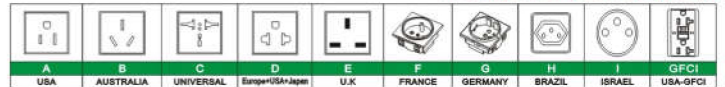
# Pure Sine Wave DC to AC Power Inverter - P Series

**Inverter Expert**

## P1500U-1500W with USB

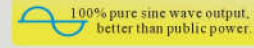
**Features:**

- 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	P1500U-121	P1500U-241	P1500U-481	P1500U-122	P1500U-242	P1500U-482
AC VOLTAGE	100/110/120VAC			220/230/240VAC		
RATED POWER	1500W					
SURGE POWER	3000W (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 as above)					
LED INDICATOR	Green for power on, red for failure / protection status indication					
NO LOAD CURRENT DRAW	≤ 1A					
DC VOLTAGE	12V	24V	48V	12V	24V	48V
VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0VDC	42~60VDC	10.5~15.0VDC	21.0~30.0VDC	42~60VDC
EFFICIENCY (Typ.)	> 87.0%	> 90.0%	> 90.0%	> 87.0%	> 90.0%	> 90.0%
FUSE	40A*5	20A*5	10A*5	40A*5	20A*5	10A*5
DCCABLE	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2
BAT LOW ALARM	11 ± 0.5VDC	22 ± 1VDC	44 ± 2VDC	11 ± 0.5VDC	22 ± 1VDC	44 ± 2VDC
BAT LOW SHUTDOWN	10.5 ± 0.5VDC	21.0 ± 1VDC	42 ± 2VDC	10.5 ± 0.5VDC	21.0 ± 1VDC	42 ± 2VDC
OVERLOAD	Shutdown					
OVER VOLTAGE	14.8 ± 0.5VDC	29.6 ± 1VDC	58.4 ± 2VDC	14.8 ± 0.5VDC	29.6 ± 1VDC	58.4 ± 2VDC
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	11.8~12.8VDC	23.6~25.6VDC	47.2~51.2VDC	11.8~12.8VDC	23.6~25.6VDC	47.2~51.2VDC
WORKING TEMP	0~40°C					
WORKING HUMIDITY	20%~90% RH non-condensing					
STORAGE TEMP. & HUMIDITY	-30°C~70°C 22° F~185° F, 10~95%					
SAFETY STANDARDS	UL458 (only for GFCI receptacle)					
ISOLATION RESISTANCE	I/P-O/P: 1000Ω/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					
REMOTE CONTROL	Switch with 5m wire (optional)					
DIMENSION	405*230*108mm					
PACKING	6.2Kg, 2pcs/15.3Kgs/Ctn(46*31.5*38.5cm)					
COOLING FAN	Control by load/temperature (optional)					
APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems ..... etc.					



### INSTALLATION

