

## 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. ◀

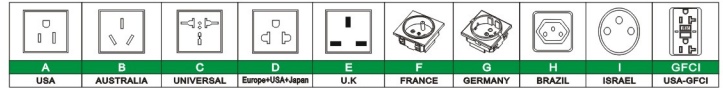
**AC output** identical to, and in some cases better than the power supplied by your utility. ◀

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

**Low Total Harmonic Distortion:** below 3% ◀

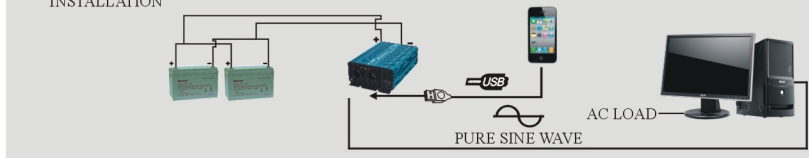
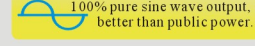
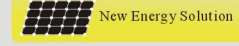
**Remote Control:** optional ◀

**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
DC CABLE	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 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					
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: 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					
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.					



Note: If without USB, Model is P1500