1500W True Sine Wave DC-AC Power Inverter

TS-1500 series

Features :

- True sine wave output (THD<3%)
- High surge power up to 3000W
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Optional monitoring software
- 2 years warranty

SPECIFICATION

MODEL		TS-1500-112□	TS-1500-124□	TS-1500-148□	TS-1500-212□	TS-1500-224□	TS-1500-248□
OUTPUT	RATED POWER (Typ.)	1500W					
	MAXIMUM OUTPUT POWER (Typ.)	1725W for 180 sec. / 2250W for 10 sec. / surge power 3000W for 30 cycles					
	AC VOLTAGE	100 / 110 / 115 / 120VAC selectable by setting button			200 / 220 / 230 / 240VAC selectable by setting button		
	FREQUENCY	60±0.1Hz 50/60Hz selectable by setting button S.W			50±0.1%Hz 50/60Hz selectable by setting button S.W		
	WAVEFORM	True sine wave (THD<3%) at rated input voltage					
	AC REGULATION (Typ.)	±3.0%					
	SAVING MODE (Typ.)	Load≦5W will be changed to standby mode					
	FRONT PANEL INDICATOR	Battery voltage level, output load level, saving mode, fault and operation status					
INPUT	BAT. VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE (Typ.) Note.1	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	DC CURRENT (Typ.) Note.5	150A	75A	37.5A	150A	75A	37.5A
	NO LOAD DISSIPATION	≦18W @ standby saving mode					
	OFF MODE CURRENT DRAW	≦1mA					
	EFFICIENCY (Typ.) Note.2	87%	89%	90%	88%	90%	91%
	BATTERY TYPES	Open & sealed Lead Acid					
BATTERY INPUT PROTECTION	FUSE	40A*5	30A*3	30A*2	40A*5	30A*3	30A*2
	BAT. LOW ALARM	11.3±4%	22.5±4%	45±4%	11.3±4%	22.5±4%	45±4%
	BAT. LOW SHUTDOWN	10.5±4%	21±4%	42±4%	10.5±4%	21±4%	42±4%
	REVERSE POLARITY	By internal fuse open					
OUTPUT PROTECTION	OVER TEMPERATURE	82℃±5℃	82℃±5℃	96℃±5℃	68℃±5℃	68℃±5℃	68℃±5℃
		Protection type : Shut down o/p voltage, re-power on to recover; by internal RTH3 detect on heatsink of power transistor					
	OUTPUT SHORT	Protection type : Shut down o/p voltage, re-power on to recover					
	OVER LOAD (Typ.)	105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.					
		Protection type : Shut down o/p voltage, re-power on to recover					
	GFCI PROCTECTION	UL458 (only for "GFCI" receptacle-Type F)			None		
ENVIRONMENT	WORKING TEMP. Note.3	0 ~ +40℃ @ 100% load ; 60℃ @ 50% load					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH					
	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL458 (only for "GFCI" receptacle-Type F)		None			
	LVD	None			EN60950-1		
	WITHSTAND VOLTAGE	Bat I/P - AC O/P:3.0KVAC AC O/P - FG:1.5KVAC					
	EMI CONDUCTION&RADIATION	Compliance to FCC class A			Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	EMS IMMUNITY	None			Compliance to EN61000-4-2,3,8 ENV50204		
OTHERS	CONTROL WIRING	RJ11 -RS232 (Option)					
	DIMENSION	420*220*88mm (L*W*H)					
	PACKING	6.81Kg; 2pcs/14.6Kg/1.61CUFT					
NOTE	1.Output derating capacity referenced by curve 1. 2.Efficiency is tested by 1000W, linear load at 13V, 26V, 52V input voltage. 3.Output derating capacity referenced by curve 2. 4.All parameters not specified above are measured at rated load, 25℃ of ambient temperature. 5.DC current is tested by 1500W, linear load at 13V, 26V, 52V input voltage.						

1500W True Sine Wave DC-AC Power Inverter

TS-1500 series

TS – 1500 – 112 A

TS:True sine wave inverter

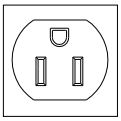
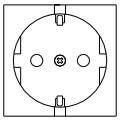
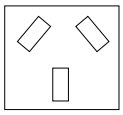
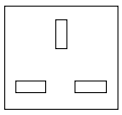
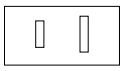
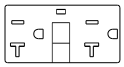
O/P Wattage:1500W

Bat. Voltage: 12:12VDC, 24:24VDC, 48:48VDC

Output: 1:110VAC, 2:230VAC

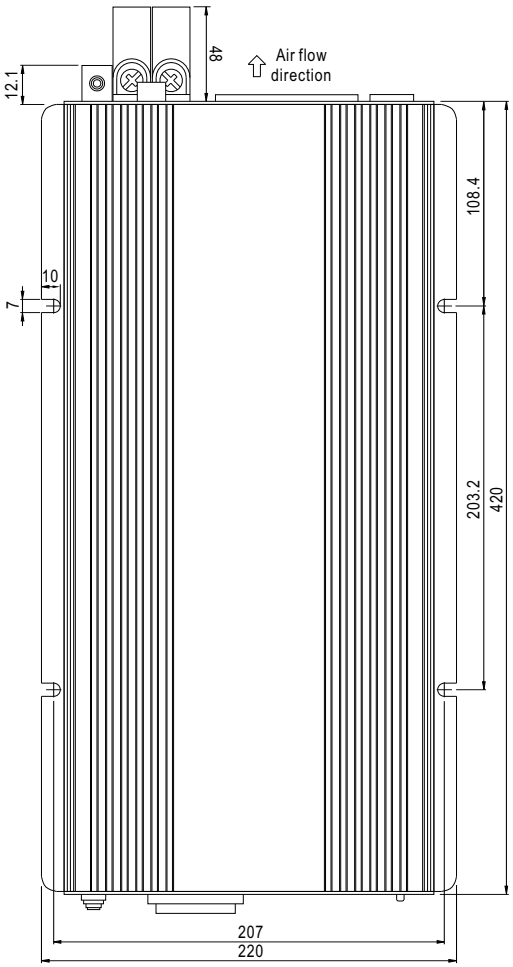
A :TYPE A OUTLET
B :TYPE B OUTLET
C :TYPE C OUTLET
D :TYPE D OUTLET
E :TYPE E OUTLET
F :TYPE F OUTLET

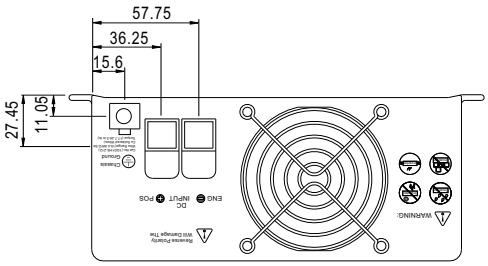
■ AC Output Receptacles (optional)

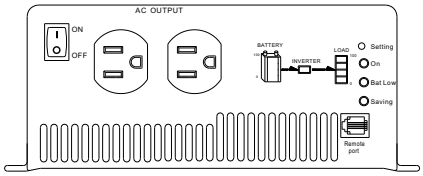
Receptacle type						
	TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
Country	USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI
Certificate	FC	E13 CE	E13 CE	E13 CE	FC	c UL us (Expect for 48V input) FC

■ Mechanical Specification

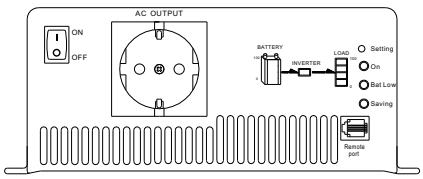
Unit:mm







Type-A



Type-B