



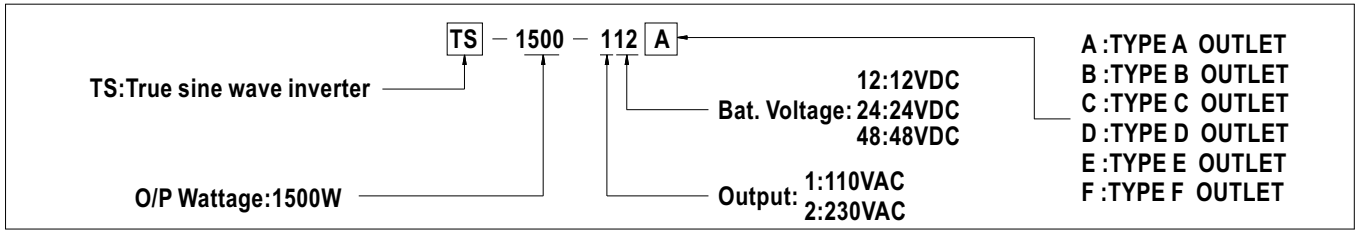
■ Features :

- 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
- 3 years warranty



**SPECIFICATION**

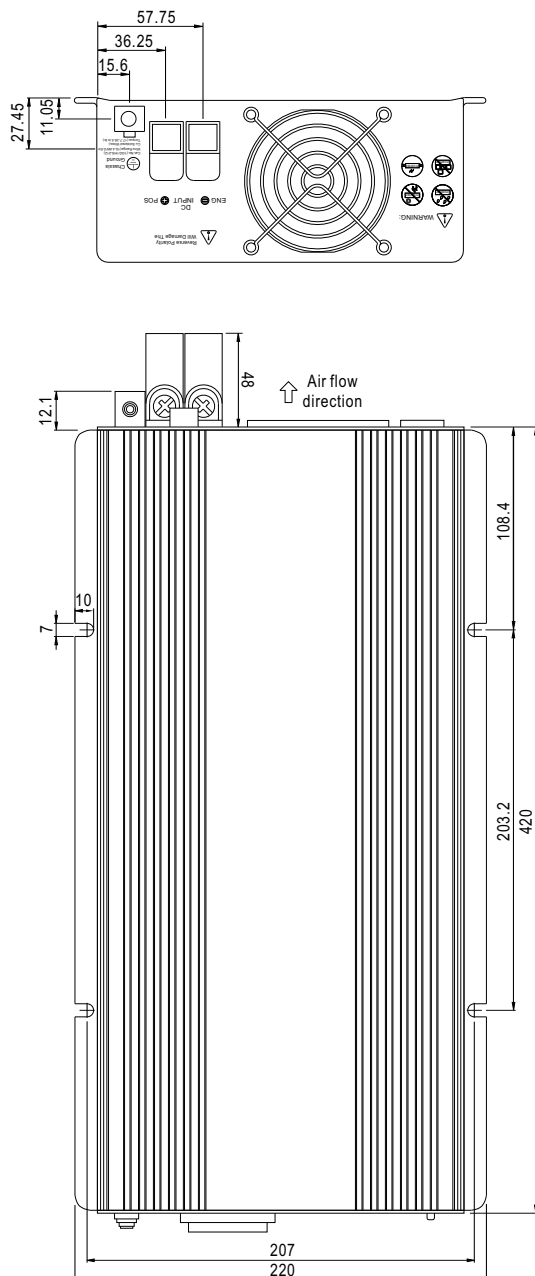
MODEL		TS-1500-112□	TS-1500-124□	TS-1500-148□	TS-1500-212□	TS-1500-224□	TS-1500-248□	
OUTPUT	RATED POWER (Typ.)	1500W						
	MAXIMUM OUTPUT POWER (Typ.)	1725W for 180 sec. / 2250W for 10 sec. / surge power 3000W for 30 cycles						
	AC VOLTAGE	100 / 110 / 115 / 120VAC selectable by setting button			200 / 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.) <sup>Note.1</sup>	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	
	DC CURRENT (Typ.) <sup>Note.5</sup>	150A	75A	37.5A	150A	75A	37.5A	
	NO LOAD DISSIPATION	≤ 18W @ standby saving mode						
	OFF MODE CURRENT DRAW	≤ 1mA						
	EFFICIENCY (Typ.) <sup>Note.2</sup>	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°C ± 5°C	82°C ± 5°C	96°C ± 5°C	68°C ± 5°C	68°C ± 5°C	68°C ± 5°C	
	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.						
GFCI PROTECTION		UL458 (only for "GFCI" receptacle-Type F )			None			
ENVIRONMENT	WORKING TEMP. <sup>Note.3</sup>	0 ~ +40°C @ 100% load ; 60°C @ 50% load						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -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°C of ambient temperature. 5. DC current is tested by 1500W, linear load at 13V, 26V, 52V input voltage.							



### 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						

### Mechanical Specification



### Derating Curve

