

1500W True Sine Wave DC-AC Power Inverter

TS-1500 series



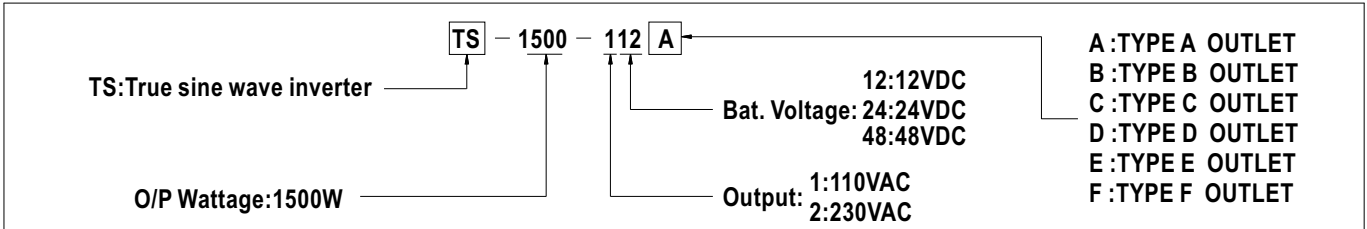
■ Features :

- 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.



SPECIFICATION

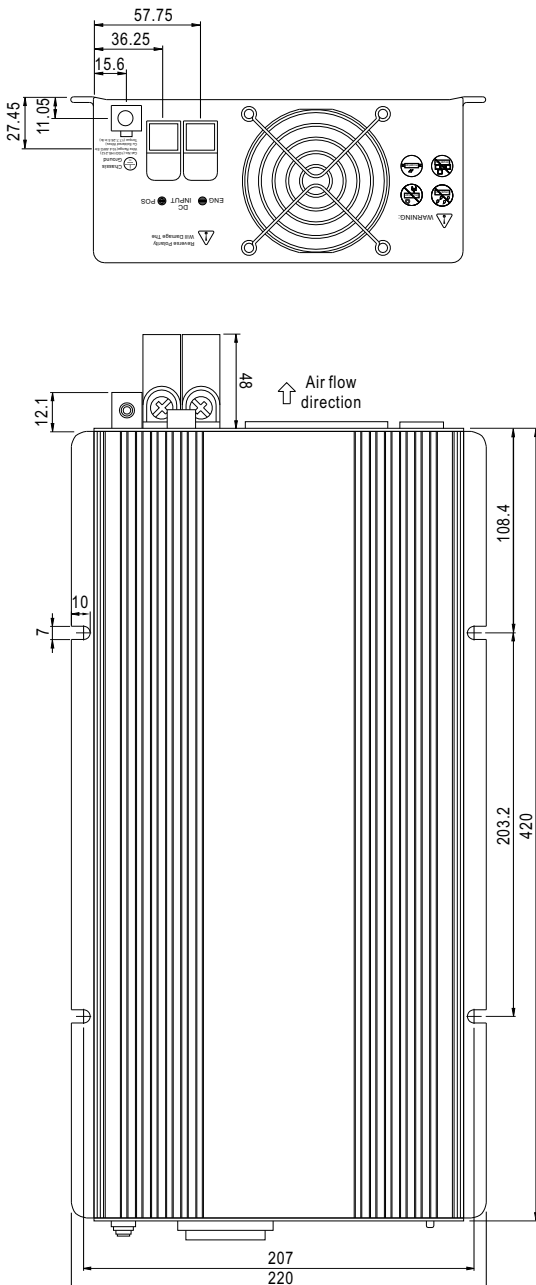
MODEL	TS-1500-112□	TS-1500-124□	TS-1500-148□	TS-1500-212□	TS-1500-224□	TS-1500-248□	
OUTPUT	RATED POWER (Typ.)						1500W
	MAXIMUM OUTPUT POWER (Typ.)						1725W for 180 sec. / 2250W for 10 sec. / surge power 3000W for 30 cycles
	AC VOLTAGE			100 / 110 / 115 / 120VAC selectable by setting button			200 / 220 / 230 / 240VAC selectable by setting button
	FREQUENCY						60±0.1Hz 50/60Hz selectable by setting button S.W
	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°C ± 5°C 82°C ± 5°C 96°C ± 5°C 68°C ± 5°C 68°C ± 5°C 68°C ± 5°C
	OUTPUT SHORT						Protection type : Shut down o/p voltage, re-power on to recover; by internal RTH3 detect on heatsink of power transistor
	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. ^{Note.3}						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.						



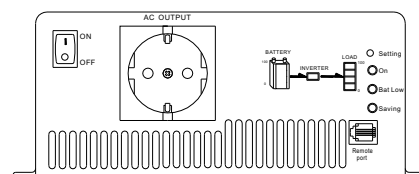
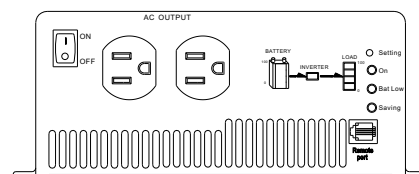
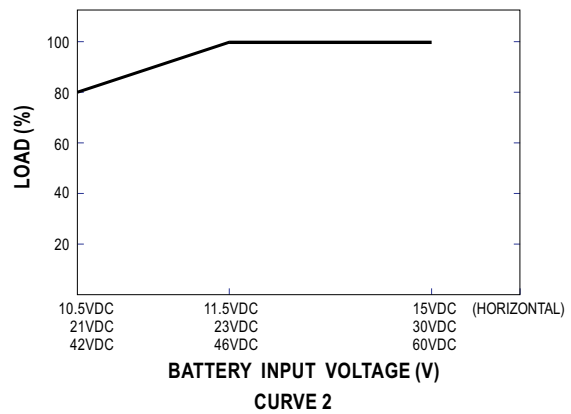
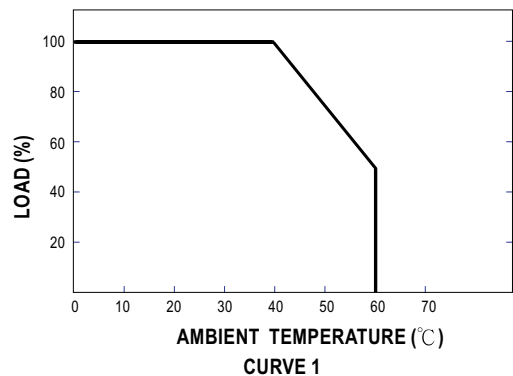
■ AC Output Receptacles (optional)

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





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GARANTIA

TODOS LOS EQUIPOS FABRICADOS POR **AMV ELECTRÓNICA** SALEN DE NUESTROS TALLERES AJUSTADOS, NUMERADOS Y CON DOCUMENTACIÓN TÉCNICA, **SIENDO LA GARANTIA TOTAL DE 2 AÑOS.**

LA GARANTÍA CUBRE LAS SITUACIONES DE DAÑO INTRÍNSECO, Y NO LAS PROVOCADAS POR CAUSAS EXTERNAS O LA MANIPULACIÓN POR PARTE DEL USUARIO.

LA GARANTÍA SE ENTIENDE EN NUESTROS TALLERES, SIENDO POR CUENTA DEL USUARIO LOS COSTES DEL TRANSPORTE.

AMV ELECTRONICA



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