



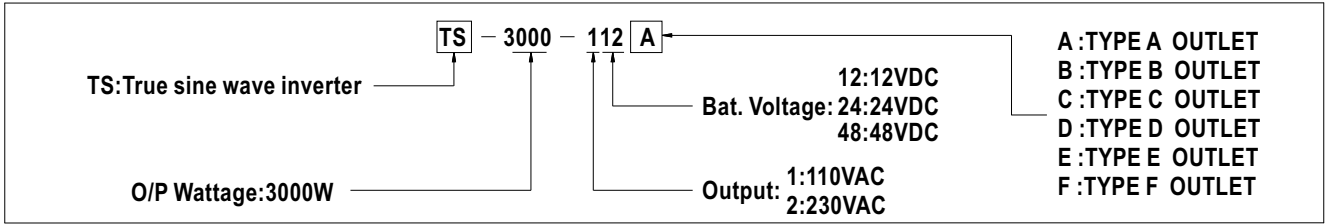
■ Features :

- True sine wave output (THD<3%)
- High surge power up to 6000W
- High efficiency up to 92%
- 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 / AC circuit breaker
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Optional monitoring software(order No.: DS-TN-1500)



SPECIFICATION

MODEL		TS-3000-112	TS-3000-124	TS-3000-148	TS-3000-212	TS-3000-224	TS-3000-248	
OUTPUT	RATED POWER (Typ.)	3000W						
	MAXIMUM OUTPUT POWER (Typ.)	3450W for 180 sec. / 4500W for 10 sec. / surge power 6000W for 30 cycles						
	AC VOLTAGE	Factory setting set at 110VAC				Factory setting set at 230VAC		
		100 / 110 / 115 / 120VAC selectable by setting button S.W				200 / 220 / 230 / 240VAC selectable by setting button S.W		
	FREQUENCY	60±0.1Hz 50/60Hz selectable by setting button S.W				50±0.1Hz 50/60Hz selectable by setting button S.W		
	WAVEFORM	True sine wave (THD<3%) at rated input voltage						
	AC REGULATION (Typ.)	±3%						
	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.3,6	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	
	DC CURRENT (Typ.) Note.4	300A	150A	75A	300A	150A	75A	
	NO LOAD DISSIPATION (Typ.)	≤ 10W @ standby saving mode						
	OFF MODE CURRENT DRAW (Typ.)	≤ 1mA						
	EFFICIENCY (Typ.) Note.1	88%	90%	91%	89%	91%	92%	
	BATTERY TYPES	Open & sealed lead acid battery						
BATTERY INPUT PROTECTION	FUSE	40A*12	40A*6	20A*6	40A*12	40A*6	20A*6	
	BAT. LOW ALARM Note.6	11.3V	22.5V	45V	11.3V	22.5V	45V	
	BAT. LOW SHUTDOWN Note.6	10.5V	21V	42V	10.5V	21V	42V	
	REVERSE POLARITY	By internal fuse open						
OUTPUT PROTECTION	OVER TEMPERATURE	90°C±5°C	85°C±5°C	85°C±5°C	80°C±5°C	75°C±5°C	75°C±5°C	
	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						
	CIRCUIT BREAKER	AC output receptacle:15A						
GFCI PROTECTION	Optional (Only type F)				None			
ENVIRONMENT	WORKING TEMP. Note.2	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						
	ISOLATION RESISTANCE	Bat I/P - AC O/P, Bat I/P - FG, AC O/P - FG: 100M ohms / 500VDC / 25°C / 70% RH						
	EMI CONDUCTION&RADIATION	Compliance to FCC class A				Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
EMS IMMUNITY	None				Compliance to EN61000-4-2,3,4,5,6,8,11 ENV50204			
OTHERS	CONTROL WIRING	RJ11 -RS232 (Option)						
	DIMENSION	466.8*283.5*100mm (L*W*H)						
	PACKING	12.9Kg; 1pcs/14Kg/1.98CUFT						
NOTE	1.Efficiency is tested by 2100W, linear load at 13V, 26V, 52V input voltage. 2.Output derating capacity referenced by curve 1. 3.Output derating capacity referenced by curve 2. 4.DC current is tested by 3000W, linear load at 12V, 24V, 48V input voltage. 5.All parameters not specified above are measured at rated load, 25°C of ambient temperature. 6.The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V							



AC Output Receptacle (optional)

Receptacle type						
Country	USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI
Certificate						

Mechanical Specification

Unit:mm

Derating Curve

CURVE 1

CURVE 2

Type-A

Type-B

Note: When the load current is >15A, must use output terminal connection which can be found inside the AC output panel of the inverter.



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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 3 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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