



■ Features :

- True sine wave output (THD<3%)
- High surge power up to 2000W
- 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
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Built-in cooling Fan ON-OFF control
- Optional monitoring software
- 2 years warranty



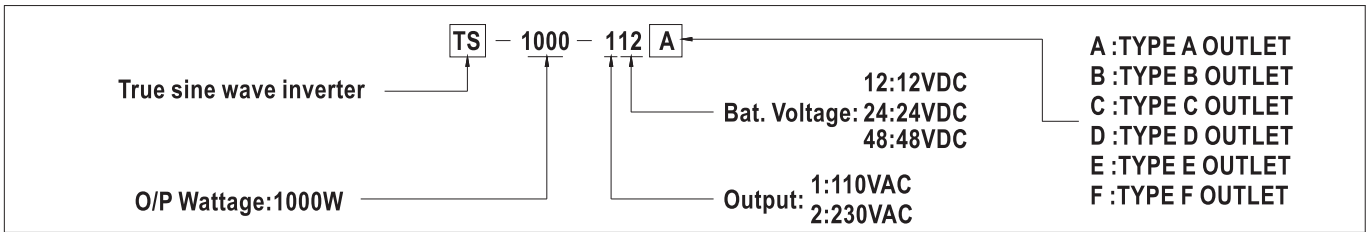
**SPECIFICATION**

MODEL	TS-1000-112□	TS-1000-124□	TS-1000-148□	TS-1000-212□	TS-1000-224□	TS-1000-248□	
OUTPUT	RATED POWER (Typ.) 1000W						
	MAXIMUM OUTPUT POWER 1150W for 180 sec. / 1500W for 10 sec. / surge power 2000W for 30 cycles						
	AC VOLTAGE 100 / 110 / 115 / 120VAC selectable by setting button			200 / 220 / 230 / 240VAC selectable by setting button			
	FREQUENCY 60±0.1%Hz 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.)	100A	50A	25A	100A	50A	25A
	NO LOAD DISSIPATION	≤ 6W @ standby saving mode					
	OFF MODE CURRENT DRAW	≤ 1mA					
	EFFICIENCY (Typ.) <sup>Note.2</sup>	88%	89%	90%	90%	91%	92%
	BATTERY TYPES	Open & sealed Lead Acid					
BATTERY INPUT PROTECTION	FUSE	40A*4	40A*2	20A*2	40A*4	40A*2	20A*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%
	BAT. POLARITY	By internal fuse open					
OUTPUT PROTECTION	OVER TEMPERATURE	70°C ± 5°C			65°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	Optional (Only type F)			None		
	Protection type : Shut down o/p voltage, re-power on to recover						
ENVIRONMENT	WORKING TEMP. <sup>Note.3</sup>	0 ~ +40°C @ 100% load					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH					
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL458 (only for type F)			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:100M Ohms/500VDC					
	EMI CONDUCTION&RADIATION	Compliance to FCC class A			Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	EMS IMMUNITY	-----			Compliance to EN61000-4-2,3,8 ENV50204		
OTHERS	DIMENSION	393*184*70mm (L*W*H)					
	PACKING	4.3Kg; 2pcs/9.6Kg/1.38CUFT					
NOTE	<p>1.Output derating capacity referenced by curve 1.</p> <p>2.Efficiency is tested by 750W, linear load at 13V, 26V, 52V input voltage.</p> <p>3.Output derating capacity referenced by curve 2.</p> <p>4.All parameters not specified above are measured at rated load, 25°C of ambient temperature.</p>						



1000W True Sine Wave DC-AC Power Inverter

**TS-1000** series



■ AC Output Receptacles (optional)

TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI

■ Mechanical Specification

Unit:mm

