



■ 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 selected
- Front panel indicator for operation status
- Built-in fan ON-OFF control function
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input reverse polarity / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- 2 years warranty



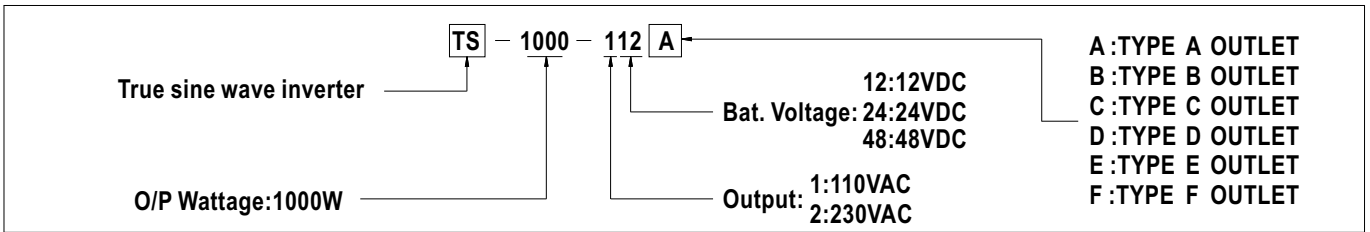
SPECIFICATION

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 (Typ.) 1150W for 180 sec. / 1500W for 10 sec. / surge power 2000W for 30 cycles						
	AC VOLTAGE			AC VOLTAGE			
	100 / 110 / 115 / 120VAC selectable by setting button S.W			200 / 220 / 230 / 240VAC selectable by setting button S.W			
	FREQUENCY			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.) ±3.0%							
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		BAT. VOLTAGE		BAT. VOLTAGE		
	12V		24V		48V		
	VOLTAGE RANGE (Typ.)		VOLTAGE RANGE (Typ.)		VOLTAGE RANGE (Typ.)		
	10.5 ~ 15VDC		21 ~ 30VDC		42 ~ 60VDC		
	DC CURRENT (Typ.)		DC CURRENT (Typ.)		DC CURRENT (Typ.)		
	100A		50A		25A		
	NO LOAD DISSIPATION ≤6W @ standby saving mode						
OFF MODE CURRENT DRAW ≤1mA							
EFFICIENCY (Typ.) Note.1		EFFICIENCY (Typ.)		EFFICIENCY (Typ.)			
88%		89%		90%			
BATTERY TYPES Open & sealed lead acid							
BATTERY INPUT PROTECTION	FUUSE		FUUSE		FUUSE		
	40A*4		40A*2		20A*2		
	BAT. LOW ALARM		BAT. LOW ALARM		BAT. LOW ALARM		
	11.3±4%		22.5±4%		45±4%		
BAT. LOW SHUTDOWN		BAT. LOW SHUTDOWN		BAT. LOW SHUTDOWN			
10.5±4%		21±4%		42±4%			
REVERSE POLARITY By internal fuse open							
OUTPUT PROTECTION	OVER TEMPERATURE			OVER TEMPERATURE			
	90°C ± 5°C			70°C ± 5°C			
	Protection type : Shut down o/p voltage, re-power on to recover; by internal RTH3 detect on heatsink of power diode						
	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 PROTECTION				GFCI PROTECTION		GFCI PROTECTION	
Optional (Only type F)				None		None	
ENVIRONMENT	WORKING TEMP. 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		SAFETY STANDARDS		SAFETY STANDARDS		
	UL458 (only for "GFCI" receptacles- type F)		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:100M Ohms/500VDC / 25°C / 70% RH						
	EMI CONDUCTION&RADIATION				EMI CONDUCTION&RADIATION		EMI CONDUCTION&RADIATION
Compliance to FCC class A				Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		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 345*184*70mm (L*W*H)						
	PACKING 4.3Kg; 2pcs/9.6Kg/1.16CUFT						
	COOLING Loading controlled cooling fan for GFCI receptacle-type F ; Thermostatically controlled cooling fan for others.						
NOTE	1.Efficiency is tested by 750W, linear load at 13V, 26V, 52V input voltage. 2.All parameters not specified above are measured at rated load, 25°C of ambient temperature.						



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

