



■ 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.
- 3 years warranty



SPECIFICATION

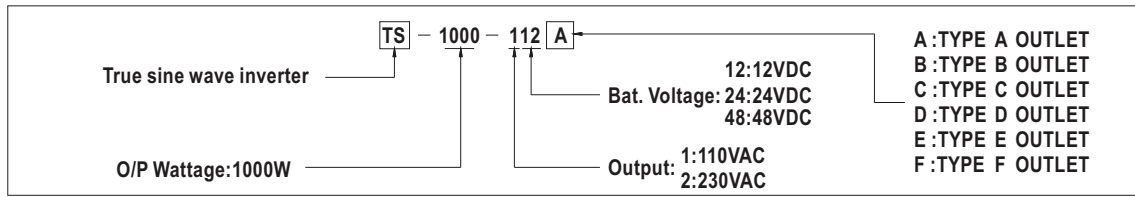
MODEL	TS-1000-112	TS-1000-124	TS-1000-148	TS-1000-212	TS-1000-224	TS-1000-248		
OUTPUT	RATED POWER (Typ.)						1000W	
	MAXIMUM OUTPUT POWER (Typ.)						1150W for 180 sec. / 1500W for 10 sec. / surge power 2000W for 30 cycles	
	AC VOLTAGE			Factory setting set at 110VAC			Factory setting set at 230VAC	
	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 <small>Note.6</small>						True sine wave (THD<3%)	
	AC REGULATION (Typ.)						±3.0%	
SAVING MODE (Typ.)						Default disabled. 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.) <small>Note.4,6</small>		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 (Typ.)						≤6W @ standby saving mode	
	OFF MODE CURRENT DRAW						≤1mA	
	EFFICIENCY (Typ.) <small>Note.1</small>		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%
	REVERSE POLARITY						By internal fuse open	
OUTPUT PROTECTION	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				Optional (Only type F)		None		
ENVIRONMENT	WORKING TEMP. <small>Note.3</small>		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						AC O/P-FG, Bat I/P-FG:100M Ohms/500VDC / 25°C / 70% RH	
	EMC EMISSION				Compliance to FCC class A		Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark	
EMC IMMUNITY						None	Compliance to EN61000-4-2,3,8	
OTHERS	MTBF						66.9K hrs min. MIL-HDBK-217F (25°C)	
	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 and set to factory setting. 3. Output derating capacity referenced by curve 1. 4. Input derating capacity referenced by curve 2. 5. The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V 6. THD is tested by 1000W, linear load at 13,26,52V input voltage.		

Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:

<http://power.sager.com/mean-well-TS-1000-power-supply.html>

(866) 588-1750
power@sager.com
<http://power.sager.com>



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

Unit:mm

50.05
28.55
19.22
27.2
70
10.7
48
72.5
7
10
200
345
171
184

Air flow direction

Derating Curve

CURVE 1

Ambient Temperature (°C)	Load (%)
0	100
10	100
20	100
30	100
40	100
50	100
60	50
70	0

CURVE 2

Battery Input Voltage (V)	Load (%)
10.5VDC	80
21VDC	100
42VDC	100
11.5VDC	100
23VDC	100
46VDC	100
15VDC (HORIZONTAL)	100
30VDC	100
60VDC	100

Type-A

Type-B

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