



Automatización Eléctrica

Especialistas en Automatización

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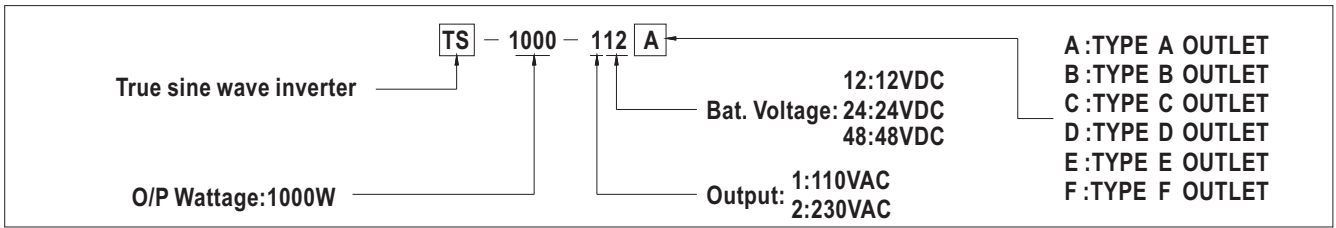
■ Features :

- 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

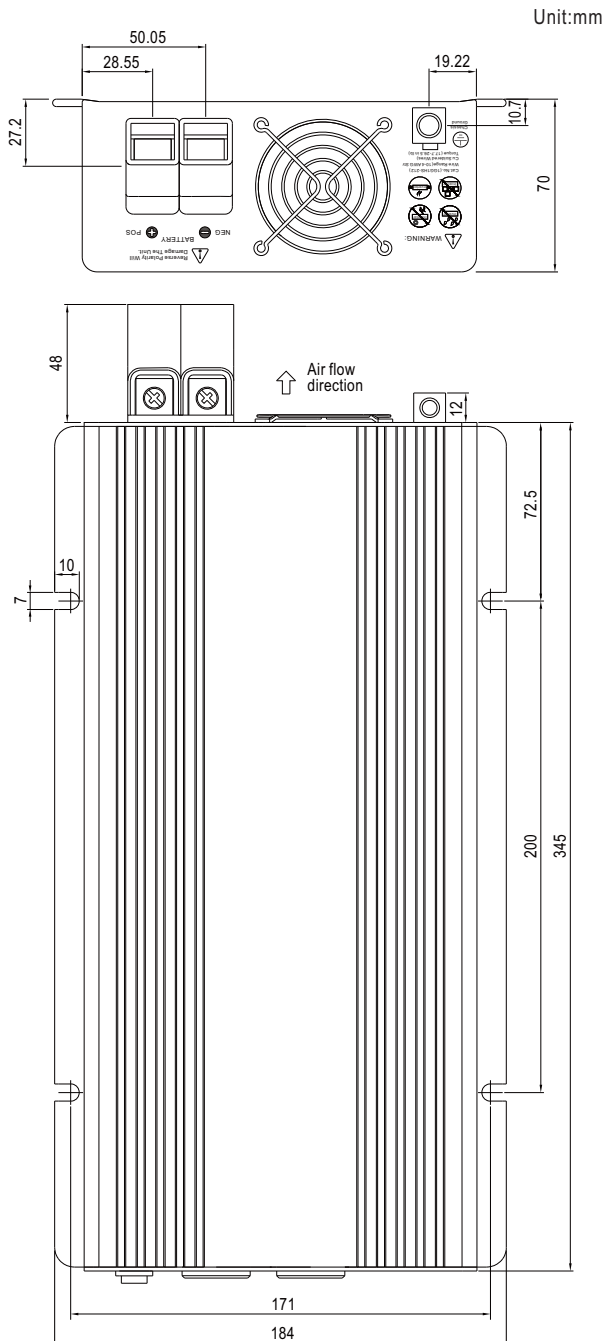
MODEL	TS-1000-112□	TS-1000-124□	TS-1000-148□	TS-1000-212□	TS-1000-224□	TS-1000-248□												
OUTPUT	RATED POWER (Typ.) 1000W																	
	MAXIMUM OUTPUT POWER (Typ.) 1150W for 180 sec. / 1500W for 10 sec. / surge power 2000W for 30 cycles																	
	AC VOLTAGE			Factory setting set at 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.TH.D is tested by 1000W, linear load at 13,26,52V input voltage.																



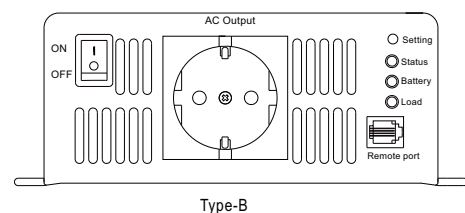
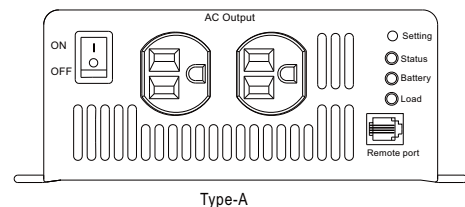
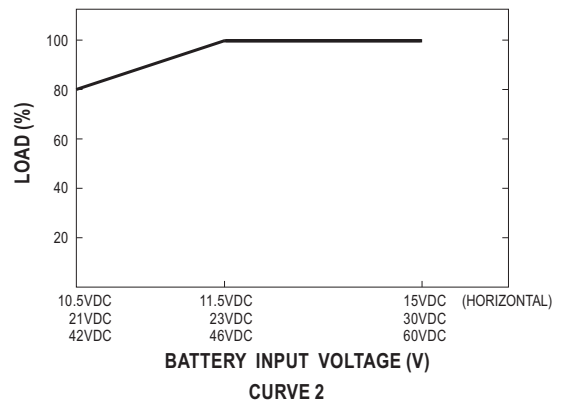
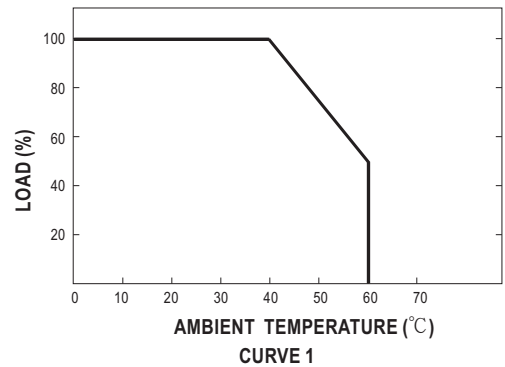
AC Output Receptacles (optional)

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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Product	Code	Reference	Product link
Input: 21-30 DC, Output: 1, V1: 230, A1: 4,347	TS1000224B	TS-1000-224B	Buy on EAN
	TS1000224C	TS-1000-224C	Buy on EAN
	TS1000224A	TS-1000-224A	Buy on EAN
	TS1000224F	TS-1000-224F	Buy on EAN
	TS1000224D	TS-1000-224D	Buy on EAN
	TS1000224E	TS-1000-224E	Buy on EAN
Input: 42-60 DC, Output: 1, V1: 230, A1: 4,347	TS1000248A	TS-1000-248A	Buy on EAN
	TS1000248B	TS-1000-248B	Buy on EAN
	TS1000248C	TS-1000-248C	Buy on EAN
	TS1000248D	TS-1000-248D	Buy on EAN
	TS1000248E	TS-1000-248E	Buy on EAN
	TS1000248F	TS-1000-248F	Buy on EAN
Input: 10,5-15 DC, Output: 1, V1: 230, A1: 4,347	TS1000212C	TS-1000-212C	Buy on EAN
	TS1000212B	TS-1000-212B	Buy on EAN
	TS1000212E	TS-1000-212E	Buy on EAN
	TS1000212D	TS-1000-212D	Buy on EAN

	TS1000212F	TS-1000-212F	Buy on EAN
	TS1000112B	TS-1000-112B	Buy on EAN
	TS1000112F	TS-1000-112F	Buy on EAN
	TS1000112D	TS-1000-112D	Buy on EAN
	TS1000112E	TS-1000-112E	Buy on EAN
	TS1000112C	TS-1000-112C	Buy on EAN
Input: 105-15 DC, Output: 1, V1: 110, A1: 9,09	TS1000112A	TS-1000-112A	Buy on EAN