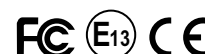


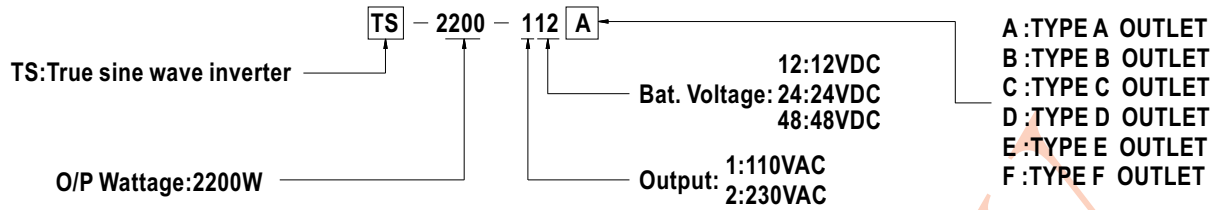
■ Features :

- True sine wave output (THD<3%)
- High surge power up to 4400W
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Built-in battery low relay contact
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload
- Built-in remote ON-OFF control
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Optional monitoring software
- 3 years warranty

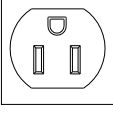
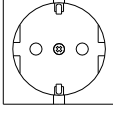
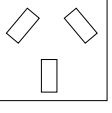
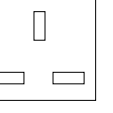
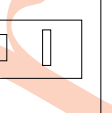
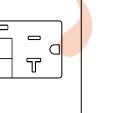


SPECIFICATION

MODEL		TS-2200-112□	TS-2200-124□	TS-2200-148□	TS-2200-212□	TS-2200-224□	TS-2200-248□
OUTPUT	RATED POWER (Typ.)	2200W					
	MAXIMUM OUTPUT POWER (Typ.)	2530W for 180 sec. / 3300W for 10 sec. / surge power 4400W 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±0.1%Hz 50/60Hz selectable by setting button S.W		
	WAVEFORM	Note.2 True sine wave (THD<3%) at rated input voltage					
	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.)	Note.3,6 10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	DC CURRENT (Typ.)	Note.4 220A	110A	55A	220A	110A	55A
	NO LOAD DISSIPATION (Typ.)	≤ 10W @ standby saving mode					
	OFF MODE CURRENT DRAW (Typ.)	≤ 1mA					
	EFFICIENCY (Typ.)	Note.1 87%	89%	90%	88%	90%	91%
	BATTERY TYPES	Open & sealed Lead Acid					
BATTERY INPUT PROTECTION	FUSE	40A*7	40A*5	40A*3	40A*7	40A*5	40A*3
	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℃±5℃	85℃±5℃	85℃±5℃	80℃±5℃	75℃±5℃	75℃±5℃
		Protection type : Shut down o/p voltage, re-power on to recover					
	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		None					
ENVIRONMENT	WORKING TEMP.	Note.2 0 ~ +40℃ @ 100% load ; 60℃ @ 50% load					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH					
	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	None					
	LVD	None			EN60950-1		
	WITHSTAND VOLTAGE	Bat I/P - AC O/P:3.0KVAC AC O/P - FG:1.5KVAC					
	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 EN61000-4-2,3,4,5,6,8,11		
OTHERS	MTBF	Khrs min. MIL-HDBK-217F (25℃)					
	CONTROL WIRING	RJ11 -RS232 (Option)					
	DIMENSION						
	PACKING	Kg					
NOTE		1.Efficiency is tested by 1650W, 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 2200W, linear load at 12V, 24V, 48V input voltage. 5.All parameters not specified above are measured at rated load, 25℃ of ambient temperature. 6.The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V					



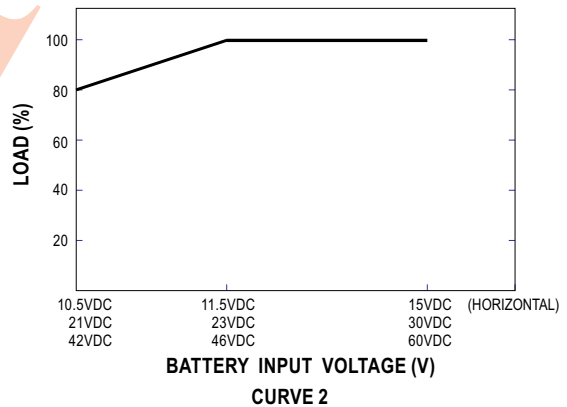
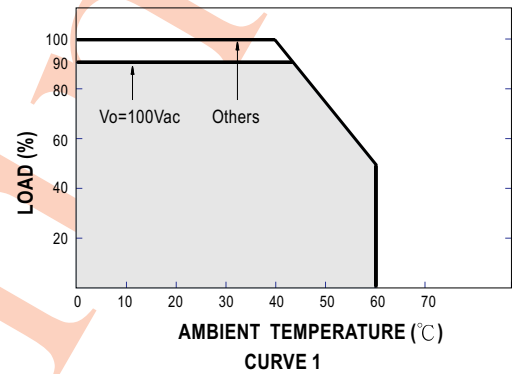
AC Output Receptacles (optional)

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

Unit:mm


Bat. Low Relay Connector :
JST B-XH or equivalent

Open	Battery low
Short	Battery OK