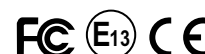




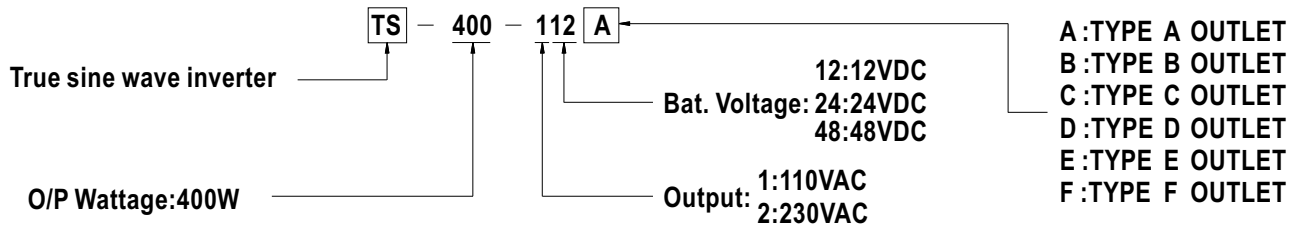
■ Features :

- True sine wave output (THD<3%)
- High surge power up to 800W
- High efficiency up to 88.5%
- Thermostatically controlled cooling fan
- Built-in remote ON-OFF control
- Front panel indicator for operation status
- Power ON-OFF switch
- 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

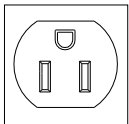
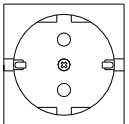
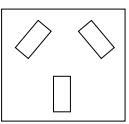
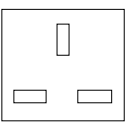
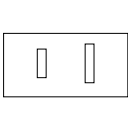
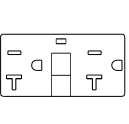


SPECIFICATION

MODEL		TS-400-112	TS-400-124	TS-400-148	TS-400-212	TS-400-224	TS-400-248	
OUTPUT	RATED POWER	400W						
	MAXIMUM OUTPUT POWER	460W for 180 sec. / 600W for 10 sec. / surge power 800W for 30 cycles(typ.)						
	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			50±0.1Hz 50/60Hz selectable by setting button			
	WAVEFORM	True sine wave (THD<3%) at rated input voltage						
	AC REGULATION (Typ.)	±3.0% at rated input voltage						
FRONT PANEL INDICATOR		Operation status ; Green : normal, Orange(flashing) : remote control OFF, Red : abnormal						
INPUT	BAT. VOLTAGE	12V	24V	48V	12V	24V	48V	
	VOLTAGE RANGE (Typ.)	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	
	DC CURRENT (Typ.)	40A	20A	10A	40A	20A	10A	
	NO LOAD CURRENT DRAW (Typ.)	1.25A	0.63A	0.32A	1.25A	0.63A	0.32A	
	OFF MODE CURRENT DRAW	≤ 1mA						
	EFFICIENCY (Typ.)	Note.1	84.5%	86%	87%	86%	87.5%	88.5%
	BATTERY TYPES		Open & sealed Lead Acid					
BATTERY INPUT PROTECTION	FUSE	40A*2	40A*1	20A*1	40A*2	40A*1	20A*1	
	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	85℃±5℃	75℃±5℃	70℃±5℃	85℃±5℃	75℃±5℃	70℃±5℃	
	Protection type : Shut down o/p voltage, re-power on to recover; by internal RTH1 detect power transistor							
	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			
FUNCTION	REMOTE CONTROL	Open : Normal work ; Short : Remote off						
ENVIRONMENT	WORKING TEMP.	-10 ~ +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	Design refer to UL458		None				
	LVD	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, AC O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH						
	EMI CONDUCTION&RADIATION	Compliance to FCC class A			Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark			
	EMS IMMUNITY	None			Compliance to EN61000-4-2,3,8 ENV50204			
OTHERS	DIMENSION	205*158*67mm (L*W*H)						
	PACKING	1.73Kg; 6pcs/11.4Kg/1.55CUFT						
NOTE	1.Efficiency is tested by 300W, linear load at 12V/24V/48V input voltage. 2.All parameters not specified above are measured at rated load, 25℃ of ambient temperature.							



AC Output Receptacles (optional)

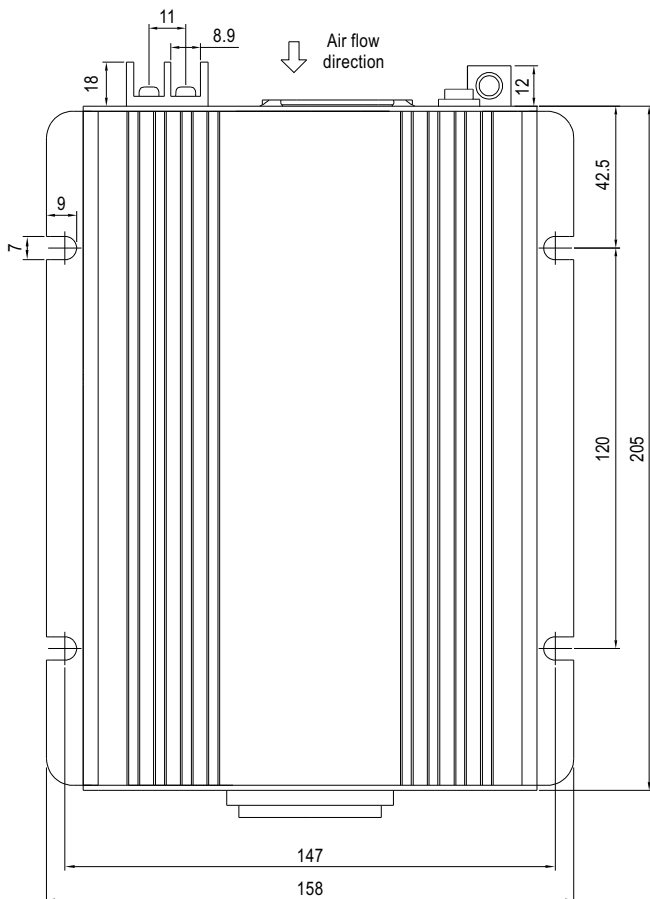
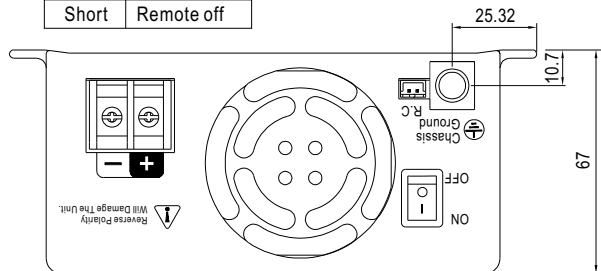
Receptacle type						
	TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
Country	USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI
Certificate	FC	E13 CE	E13 CE	E13 CE	FC	FC

Mechanical Specification

R.C Connector : JST B-XH or equivalent

Unit:mm

Open	Normal work
Short	Remote off



Derating Curve

