



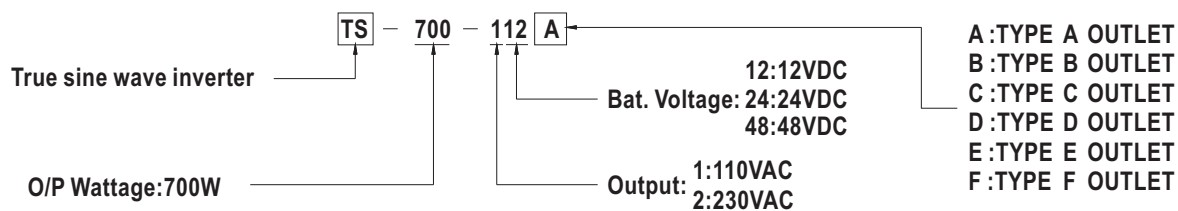
■ Features :

- True sine wave output (THD<3%)
- High surge power up to 1400W
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- 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 / Reverse polarity / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- 3 years warranty

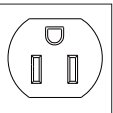
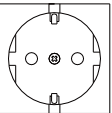
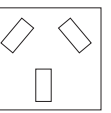
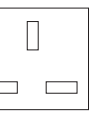
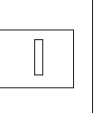
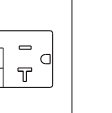


SPECIFICATION

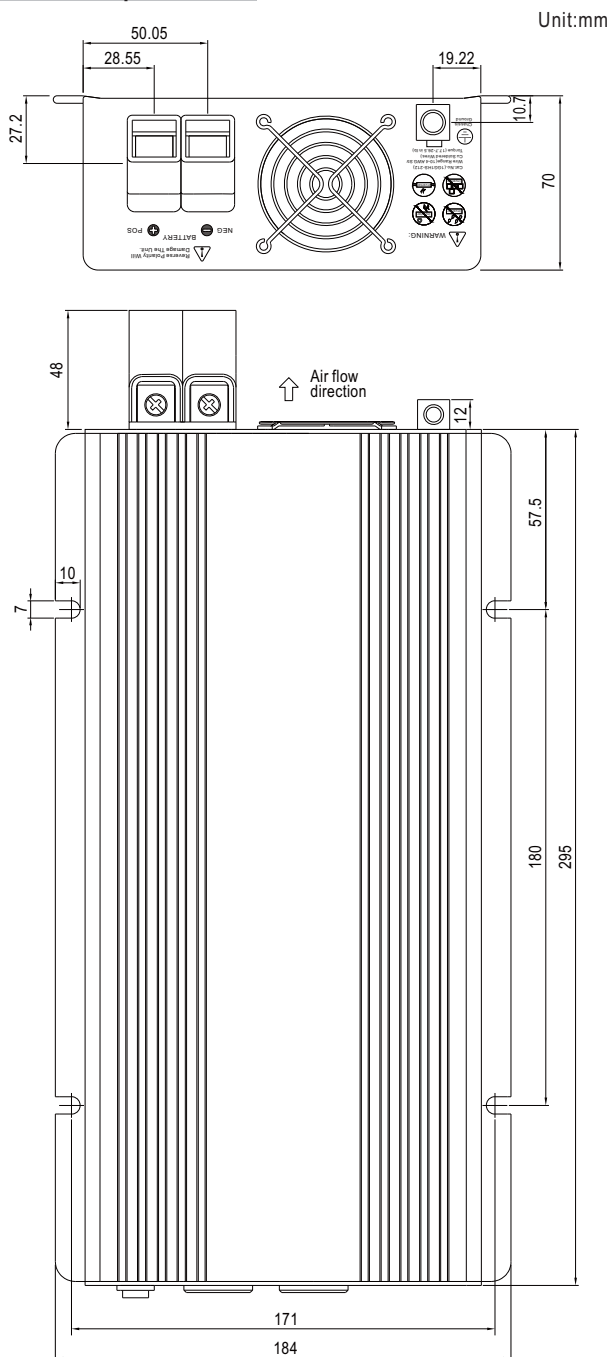
MODEL		TS-700-112□	TS-700-124□	TS-700-148□	TS-700-212□	TS-700-224□	TS-700-248□	
OUTPUT	RATED POWER (Typ.)	700W						
	MAXIMUM OUTPUT POWER (Typ.)	800W for 180 sec. / 1050W for 10 sec. / surge power 1400W for 30 cycles						
	AC VOLTAGE	Factory setting set at 110VAC			Factory setting set at 230VAC			
		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	Note.6	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.)	Note.3,5	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	DC CURRENT (Typ.)		75A	38A	19A	75A	38A	19A
	NO LOAD DISSIPATION	≤ 6W @ standby saving mode						
	OFF MODE CURRENT DRAW	≤ 1mA						
	EFFICIENCY (Typ.)	Note.1	86%	88%	89%	89%	90%	91%
	BATTERY TYPES	Open & sealed Lead Acid						
BATTERY INPUT PROTECTION	FUSE	40A*3	30A*2	20A*2	40A*3	30A*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%	
	BAT. POLARITY	By internal fuse open						
OUTPUT PROTECTION	OVER TEMPERATURE	80℃ ± 5℃			75℃ ± 5℃			
		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.	Note.4	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	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	AC O/P-FG , Bat I/P-FG:100M Ohms / 500VDC / 25℃ / 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	74.4K hrs min. MIL-HDBK-217F (25℃)						
	DIMENSION	295*184*70mm (L*W*H)						
	PACKING	3.8Kg; 2pcs/8.6Kg/1.27CUFT						
NOTE	1.Efficiency is tested by 530W, linear load at 13V, 26V, 52V input voltage. 2.All parameters not specified above are measured at rated load, 25℃ of ambient temperature and set to factory setting. 3.Input derating capacity referenced by curve 2. 4.Output derating capacity referenced by curve 1. 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 700W, 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	FC	E13 CE	E13 CE	E13 CE	FC	FC

Mechanical Specification



Derating Curve

