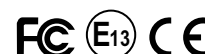




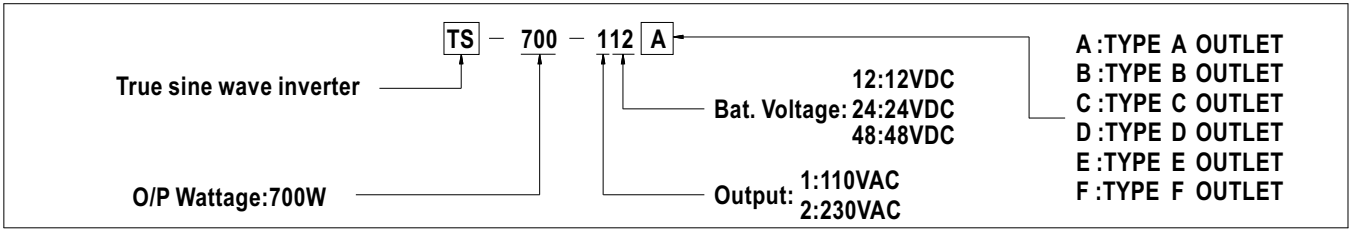
### ■ Features :

- 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

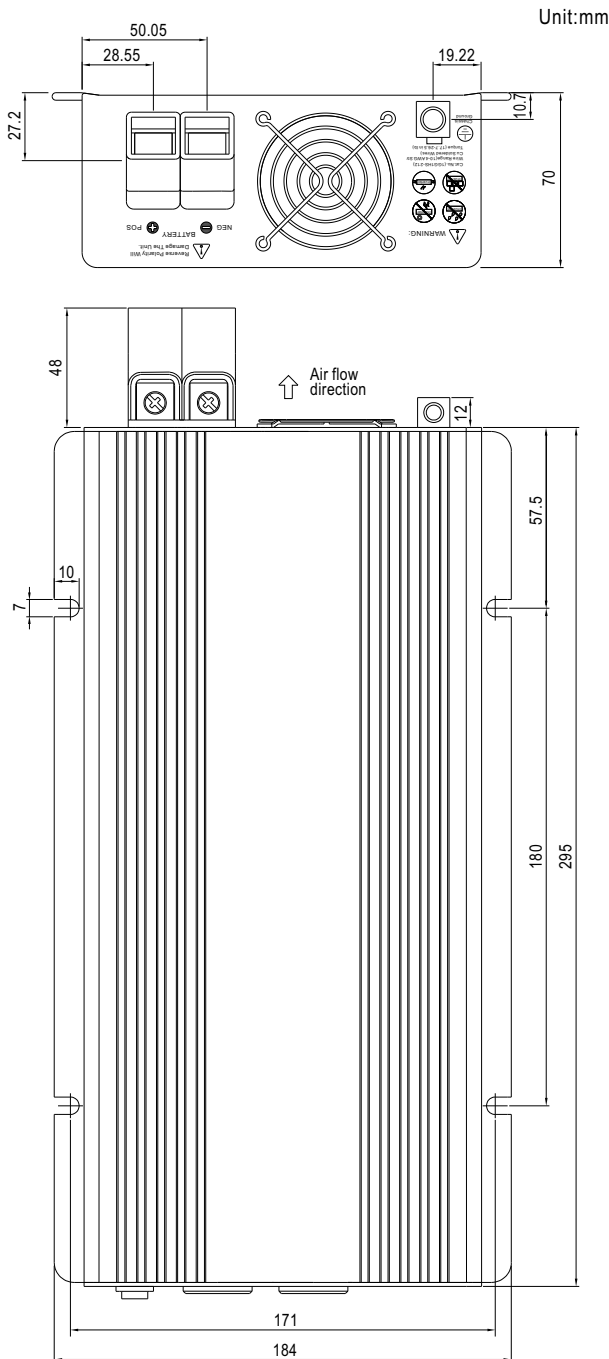
MODEL	TS-700-112□	TS-700-124□	TS-700-148□	TS-700-212□	TS-700-224□	TS-700-248□	
OUTPUT	<b>RATED POWER (Typ.)</b> 700W						
	<b>MAXIMUM OUTPUT POWER (Typ.)</b> 800W for 180 sec. / 1050W for 10 sec. / surge power 1400W for 30 cycles						
	<b>AC VOLTAGE</b> Factory setting set at 110VAC 100 / 110 / 115 / 120VAC selectable by setting button S.W			<b>AC VOLTAGE</b> Factory setting set at 230VAC 200 / 220 / 230 / 240VAC selectable by setting button S.W			
	<b>FREQUENCY</b> 60±0.1Hz 50/60Hz selectable by setting button S.W			<b>FREQUENCY</b> 50±0.1Hz 50/60Hz selectable by setting button S.W			
	<b>WAVEFORM</b> True sine wave (THD<3%) at rated input voltage						
	<b>AC REGULATION (Typ.)</b> ±3.0%						
	<b>SAVING MODE (Typ.)</b> Load ≤ 5W will be changed to standby mode						
	<b>FRONT PANEL INDICATOR</b> Battery voltage level, output load level, saving mode, fault and operation status						
INPUT	<b>BAT. VOLTAGE</b>	12V	24V	48V	12V	24V	48V
	<b>VOLTAGE RANGE (Typ.)</b> Note.3	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	<b>DC CURRENT (Typ.)</b>	75A	38A	19A	75A	38A	19A
	<b>NO LOAD DISSIPATION</b>	≤6W @ standby saving mode					
	<b>OFF MODE CURRENT DRAW</b>	≤1mA					
	<b>EFFICIENCY (Typ.)</b> Note.1	86%	88%	89%	89%	90%	91%
	<b>BATTERY TYPES</b>	Open & sealed Lead Acid					
BATTERY INPUT PROTECTION	<b>FUSE</b>	40A*3	30A*2	20A*2	40A*3	30A*2	20A*2
	<b>BAT. LOW ALARM</b>	11.3±4%	22.5±4%	45±4%	11.3±4%	22.5±4%	45±4%
	<b>BAT. LOW SHUTDOWN</b>	10.5±4%	21±4%	42±4%	10.5±4%	21±4%	42±4%
	<b>BAT. POLARITY</b>	By internal fuse open					
OUTPUT PROTECTION	<b>OVER TEMPERATURE</b>	80°C ± 5°C			75°C ± 5°C		
	Protection type : Shut down o/p voltage, re-power on to recover; by internal RTH3 detect on heatsink of power diode						
	<b>OUTPUT SHORT</b>	Protection type : Shut down o/p voltage, re-power on to recover					
	<b>OVER LOAD (Typ.)</b>	105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.			Protection type : Shut down o/p voltage, re-power on to recover		
<b>GFCI PROTECTION</b>	Optional (Only type F)			None			
ENVIRONMENT	<b>WORKING TEMP.</b> Note.4	0 ~ +40°C @ 100% load ; +60°C @ 50% load					
	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing					
	<b>STORAGE TEMP., HUMIDITY</b>	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH					
	<b>VIBRATION</b>	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	<b>SAFETY STANDARDS</b>	Design refer to UL458			None		
	<b>LVD</b>	None			EN60950-1		
	<b>WITHSTAND VOLTAGE</b>	Bat I/P - AC O/P:3.0KVAC AC O/P - FG:1.5KVAC					
	<b>ISOLATION RESISTANCE</b>	AC O/P-FG , Bat I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	<b>EMI CONDUCTION&amp;RADIATION</b>	Compliance to FCC class A			Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	<b>EMS IMMUNITY</b>	None			Compliance to EN61000-4-2,3,8 ENV50204		
OTHERS	<b>DIMENSION</b>	295*184*70mm (L*W*H)					
	<b>PACKING</b>	3.8Kg; 2pcs/8.6Kg/1.02CUFT					
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°C of ambient temperature. 3. Output derating capacity referenced by curve 1. 4. Output derating capacity referenced by curve 2.						



■ 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

