



■ 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
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- 2 years warranty



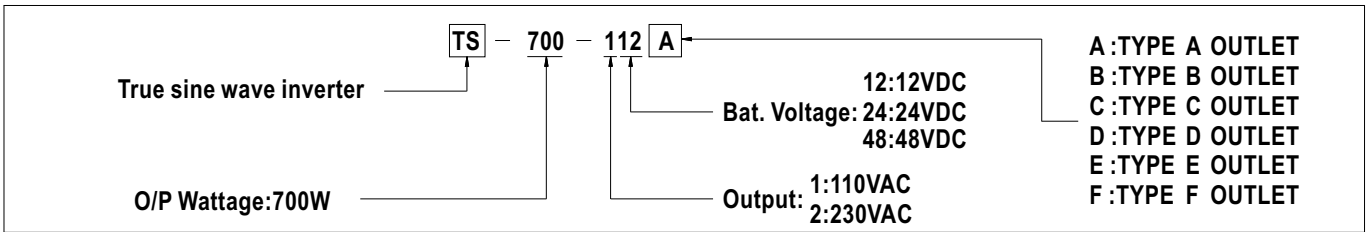
**SPECIFICATION**

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 100 / 110 / 115 / 120VAC selectable by setting button			200 / 220 / 230 / 240VAC selectable by setting button		
	FREQUENCY 60±0.1Hz 50/60Hz selectable by setting button S.W					
	FACTORY SETTING 110VAC / 60Hz			230VAC / 50Hz		
	WAVEFORM True sine wave (THD<3%) at rated input voltage					
	AC REGULATION (Typ.) ±3.0%					
	SAVING MODE (Typ.) 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.) 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°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					
	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. 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 Design refer to UL458			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, Bat I/P-FG:100M Ohms/500VDC					
	EMI CONDUCTION&RADIATION Compliance to FCC class A			Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	EMS IMMUNITY -----			Compliance to EN61000-4-2,3,8 ENV50204		
OTHERS	DIMENSION 343*184*70mm (L*W*H)					
	PACKING 3.8Kg; 2pcs/8.6Kg/1.22CUFT					
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.					



700W True Sine Wave DC-AC Power Inverter

**TS-700** series



■ AC Output Receptacles (optional)

TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI

■ Mechanical Specification

Unit:mm

