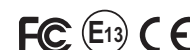


- 700 Watt Inverter
- True Sine Wave



■ Features :

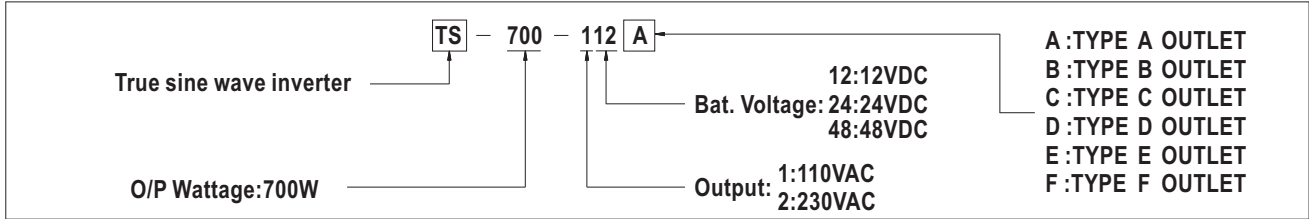
- True sine wave output (THD<3%)
- High surge power up to 1400W
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Built-in fan ON-OFF control function
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp / Output short / Reverse polarity / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- 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	Factory setting set at 110VAC 100 / 110 / 115 / 120VAC selectable by setting button S.W			Factory setting set at 230VAC 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	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 / 25°C / 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	-----			Compliance to EN61000-4-2,3,8 ENV50204			
OTHERS	DIMENSION	295*184*70mm (L*W*H)						
	PACKING	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.							

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### 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

