



■ 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 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 <small>Note.6</small>		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.) <small>Note.3,5</small>		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 (Typ.)		≤6W @ standby saving mode					
	OFF MODE CURRENT DRAW		≤1mA					
	EFFICIENCY (Typ.) <small>Note.1</small>		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. <small>Note.4</small>		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		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°C / 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°C)					
	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°C 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.							

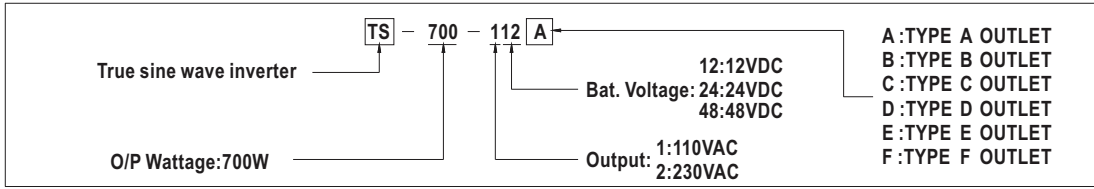
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Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:

<http://power.sager.com/mean-well-TS-700-power-supply.html>

**(866) 588-1750**  
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<http://power.sager.com>



**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**

Unit:mm

50.05  
28.55  
19.22  
10.7  
27.2  
70  
48  
7  
10  
180  
295  
171  
184

Air flow direction

**Derating Curve**

**CURVE 1**

LOAD (%)

AMBIENT TEMPERATURE (°C)

**CURVE 2**

LOAD (%)

BATTERY INPUT VOLTAGE (V)

10.5VDC 21VDC 42VDC  
11.5VDC 23VDC 46VDC  
15VDC (HORIZONTAL) 30VDC 60VDC

**Type-A**

AC Output

On Off

Setting  
Status  
Battery  
Load  
Remote port

**Type-B**

AC Output

On Off

Setting  
Status  
Battery  
Load  
Remote port

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