



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





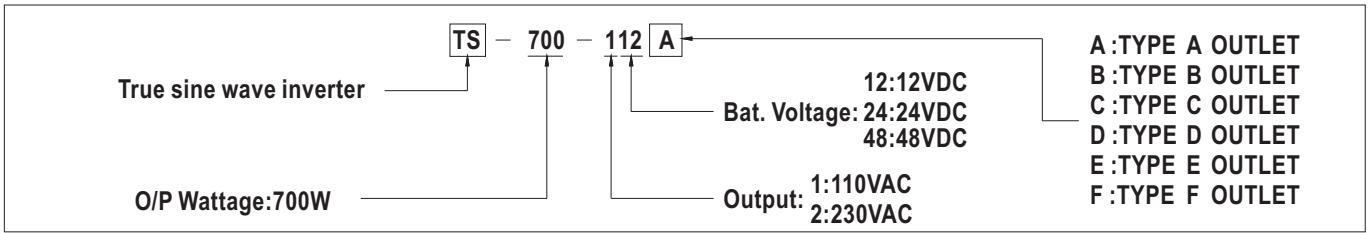
■ Features :

- 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

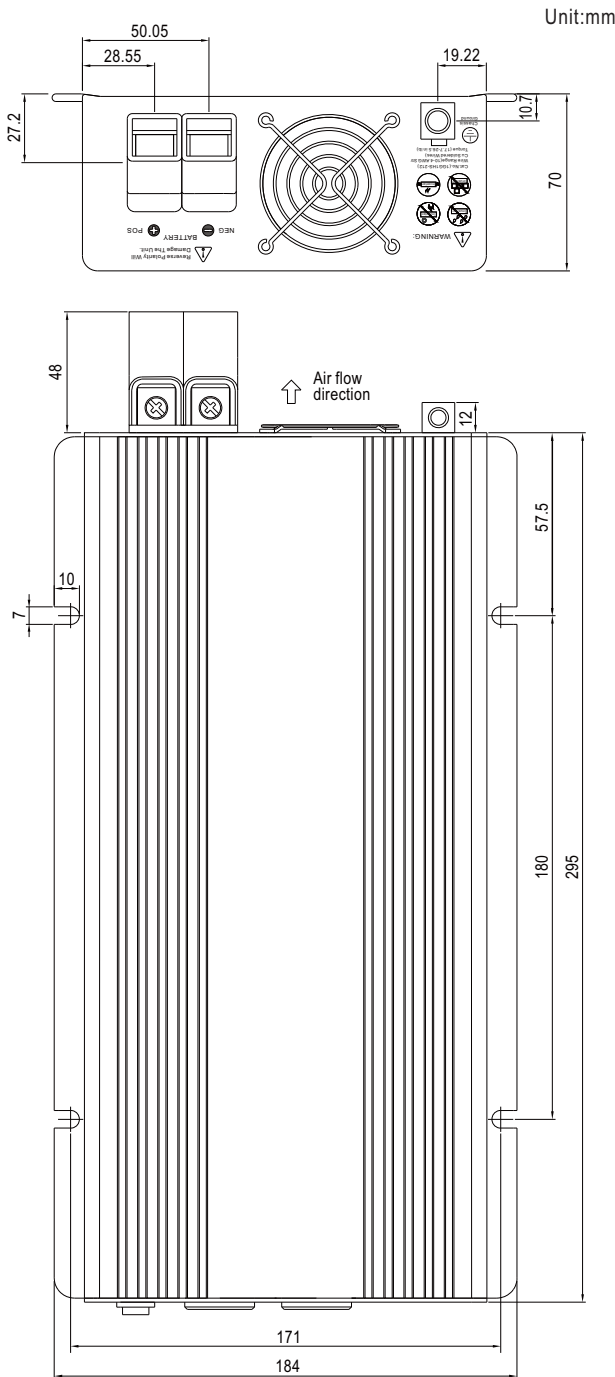
MODEL	TS-700-112□	TS-700-124□	TS-700-148□	TS-700-212□	TS-700-224□	TS-700-248□
OUTPUT	RATED POWER (Typ.) 700W					
	MAXIMUM OUTPUT POWER (Typ.) 800W for 180 sec. / 1050W for 10 sec. / surge power 1400W for 30 cycles					
	AC VOLTAGE			AC VOLTAGE		
	Factory setting set at 110VAC			Factory setting set at 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					
	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		BAT. VOLTAGE		BAT. VOLTAGE	
	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.)		DC CURRENT (Typ.)		DC CURRENT (Typ.)	
	75A		38A		19A	
	NO LOAD DISSIPATION (Typ.) ≤6W @ standby saving mode					
	OFF MODE CURRENT DRAW ≤1mA					
EFFICIENCY (Typ.) Note.1		EFFICIENCY (Typ.)		EFFICIENCY (Typ.)		
86%		88%		89%		
BATTERY TYPES Open & sealed Lead Acid						
BATTERY INPUT PROTECTION	FUUSE 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			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. Note.4 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 non-condensing					
	VIBRATION 10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS EAC TP TC 004, Design refer to UL458 EAC TP TC 004					
	LVD			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			EMC EMISSION		
Compliance to FCC class A, EAC TP TC 020			Compliance to EN55032 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark, EAC TP TC 020			
EMC IMMUNITY			EMC IMMUNITY			
Compliance to EAC TP TC 020			Compliance to EN61000-4-2,3,8, EAC TP TC 020			
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	<p>1.Efficiency is tested by 530W, linear load at 13V, 26V, 52V input voltage.</p> <p>2.All parameters not specified above are measured at rated load, 25°C of ambient temperature and set to factory setting.</p> <p>3.Input derating capacity referenced by curve 2.</p> <p>4.Output derating capacity referenced by curve 1.</p> <p>5.The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V.</p> <p>6.TH.D is tested by 700W, linear load at 13.26,52V input voltage.</p> <p>7.The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p>					



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						

Mechanical Specification



Derating Curve

