

700W True Sine Wave DC-AC Power Inverter

TS-700 series



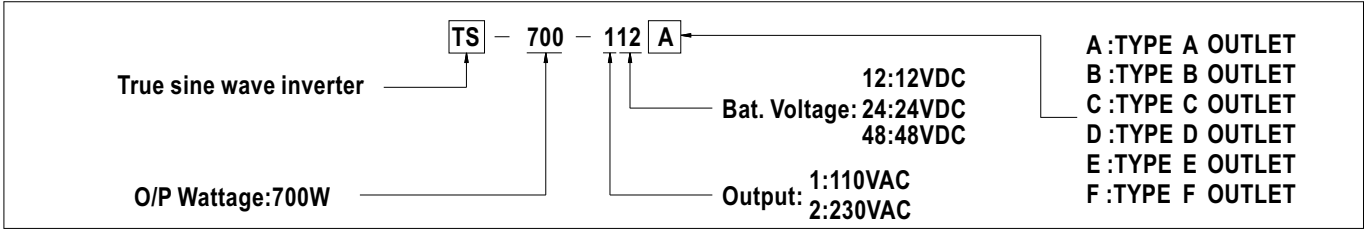
■ Features :

- 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.



SPECIFICATION

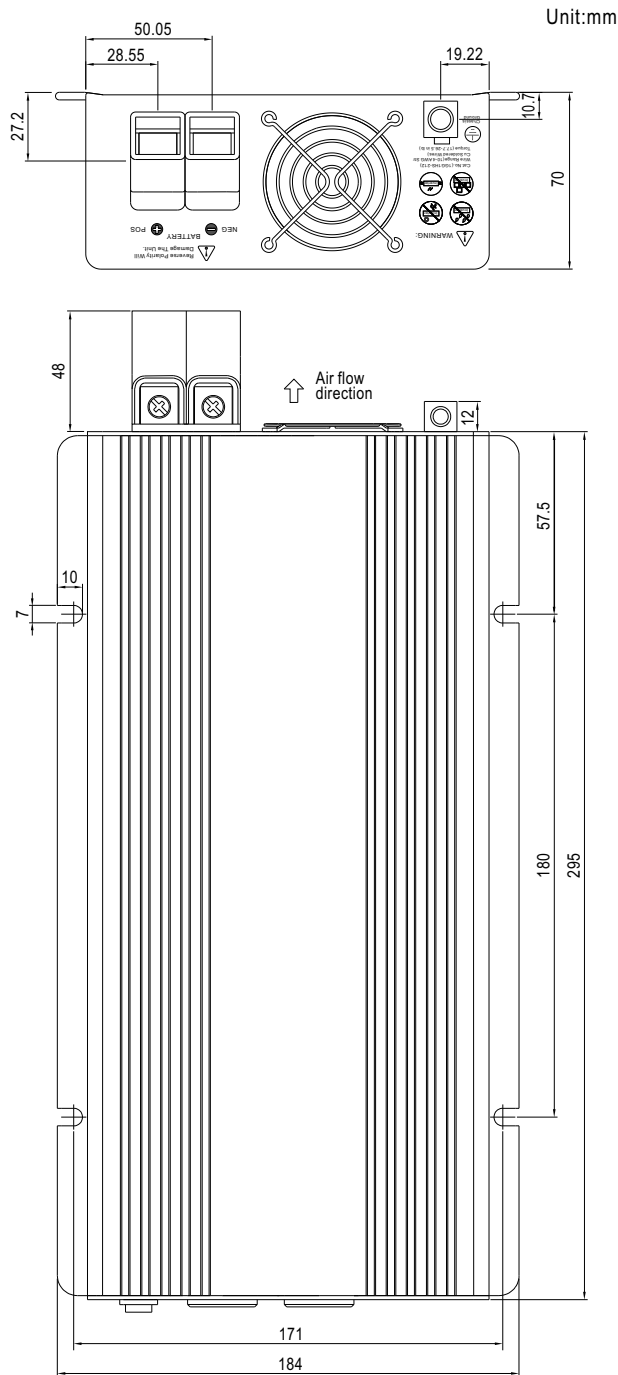
MODEL	TS-700-112□	TS-700-124□	TS-700-148□	TS-700-212□	TS-700-224□	TS-700-248□		
OUTPUT	RATED POWER (Typ.)						700W	
	MAXIMUM OUTPUT POWER (Typ.)						800W for 180 sec. / 1050W for 10 sec. / surge power 1400W for 30 cycles	
	AC VOLTAGE			Factory setting set at 110VAC			Factory setting set at 230VAC	
				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						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.) ^{Note.3}		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. ^{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	
	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	
	EMI CONDUCTION&RADIATION				Compliance to FCC class A		Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark	
	EMS IMMUNITY						None Compliance to EN61000-4-2,3,8 ENV50204	
OTHERS	MTBF						74.4K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION						295*184*70mm (L*W*H)	
	PACKING						3.8Kg; 2pcs/8.6Kg/1.02CUFT	
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.							



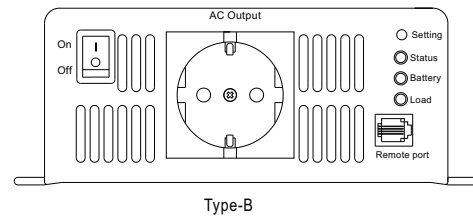
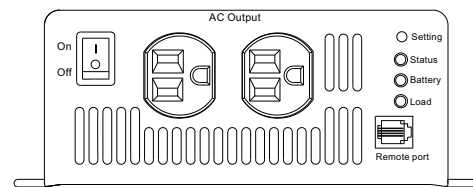
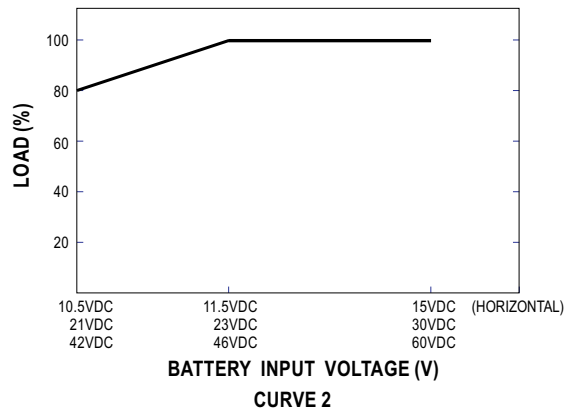
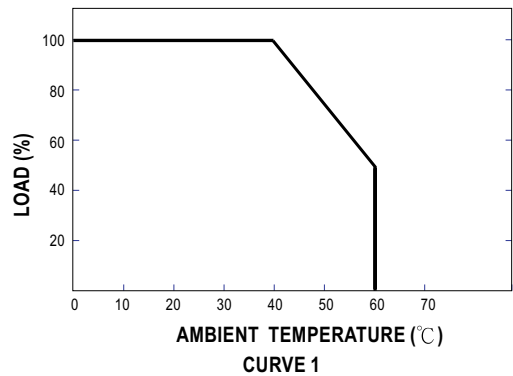
AC Output Receptacles (optional)

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





ELECTRONICA

C/ NAVA Nº 7 BAJO
33207 GIJON (ASTURIAS)
TFNO 985 319171 FAX 985 346795
Email: amv@amvelectronica.com

www.amvelectronica.com

GARANTIA

TODOS LOS EQUIPOS FABRICADOS POR **AMV ELECTRÓNICA** SALEN DE NUESTROS TALLERES AJUSTADOS, NUMERADOS Y CON DOCUMENTACIÓN TÉCNICA, **SIENDO LA GARANTIA TOTAL DE 2 AÑOS.**

LA GARANTÍA CUBRE LAS SITUACIONES DE DAÑO INTRÍNSECO, Y NO LAS PROVOCADAS POR CAUSAS EXTERNAS O LA MANIPULACIÓN POR PARTE DEL USUARIO.

LA GARANTÍA SE ENTIENDE EN NUESTROS TALLERES, SIENDO POR CUENTA DEL USUARIO LOS COSTES DEL TRANSPORTE.

AMV ELECTRONICA



DIRECCIÓN Y TELEFONOS DE CONTACTOS

AMV ELECTRONICA SL
C/NAVA Nº 7 – BAJO
33207 GIJON
ASTURIAS
ESPAÑA
FAX 00 34 985346795

PAGINA WEB : www.amvelectronica.com

TELEFONOS EMAIL DE CONTACTO

<i>DEPARTAMENTO</i>	<i>RESPONSABLE</i>	<i>TELEFONO</i>	<i>e-MAIL</i>
Comercial y Ventas	Gracia Nomparte	985319171 Ext. 10	gracia@amvelectronica.com
Ingeniería	Víctor Viña	985319171 Ext. 18	
Producción	Jenaro Blanco	985319171 Ext. 13	compras@amvelectronica.com
Servicio de Asistencia Técnica	Alejandro Arce	985319171 Ext. 17	sat@amvelectronica.com
Administración	Laura Granda	985319171 Ext. 12	administracion@amvelectronica.com