



150W Modified Sine Wave DC-AC Power Inverter **A-301/302-150** series



Features:

- 2 models available: 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation: $\pm 10\%$
- Protections: Bat. Low alarm / Bat. Low shutdown / Over voltage / Over temp. / Output short/Input polarity reverse/Over load.
- Output waveform: Modified Sine Wave (MSW)
- Topology: Microprocessor
- Approvals: e13/ CE
- 1 year warranty



SPECIFICATIONS

ORDER NO.	A301-150-F3	A302-150-F3	
OUTPUT	SAFETY MODEL NO.	A-300-150W	A-300-150W
	AC VOLTAGE	230V	230V
	RATED POWER	150W	150W
	SURGE POWER	300W	300W
	WAVEFORM	Modified Sine Wave	Modified Sine Wave
	FREQUENCY	50Hz $\pm 1\%$	50Hz $\pm 1\%$
	AC REGULATION	$\pm 10\%$	$\pm 10\%$
	STANDARD RECEPTACLES	TYPE-3*1ea (TYPE-5 supplied in Australia)	TYPE-3*1ea (TYPE-5 supplied in Australia)
LED INDICATOR	Dual-colour indicators, displays for power on & failure status		
INPUT	DC CURRENT	15A	10A
	NO LOAD CURRENT DRAW	0.25A	0.2A
	DC VOLTAGE	12V	24V
	VOLTAGE RANGE	10 ~ 15VDC	21 ~ 30VDC
	EFFICIENCY (Typ.)	78%	82%
	DC CONNECTOR	700mm Cigarette plug*1ea	700mm Cigarette plug*1ea
FUSE	15A*1ea	10A*1ea	
PROTECTION	BAT. LOW ALARM	10 ± 0.5 V	20.5 ± 1 V
	BAT. LOW SHUTDOWN	9.5 ± 0.5 V	19.5 ± 1 V
	OVER VOLTAGE	15~17V	30~32V
	OVER TEMPERATURE	60 ± 5 °C / 140 ± 9 °F	
	OUTPUT SHORT	Shut-off	
	BAT. POLARITY	By fuse open	
ENVIRONMENT	WORKING TEMP.	0°C ~ +30°C @100% load, 40°C @50% load	
	WORKING HUMIDITY	20~90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-30°C ~ +70°C / -22°F ~ +158°F, 10 ~ 95% RH	
	TEMP. COEFFICIENT	$\pm 0.05\%$ per °C (0°C ~ 50°C)	
SAFETY & EMC	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms min./ 500VDC / 25°C / 70% RH	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE	
	EMS IMMUNITY	Compliance to EN61000-4-2,3	
OTHERS	LVD	Compliance to EN60950	
	MTBF	200Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSIONS	165*94*69mm (L*W*H)	
	PACKAGING	0.8Kg; 20pcs / 15Kg / CARTON	
	COOLING	By air convection	
APPLICATIONS	Home appliance, Power tools, Office and Portable equipment and Vehicles etc.		

AC Output Receptacles (optional)

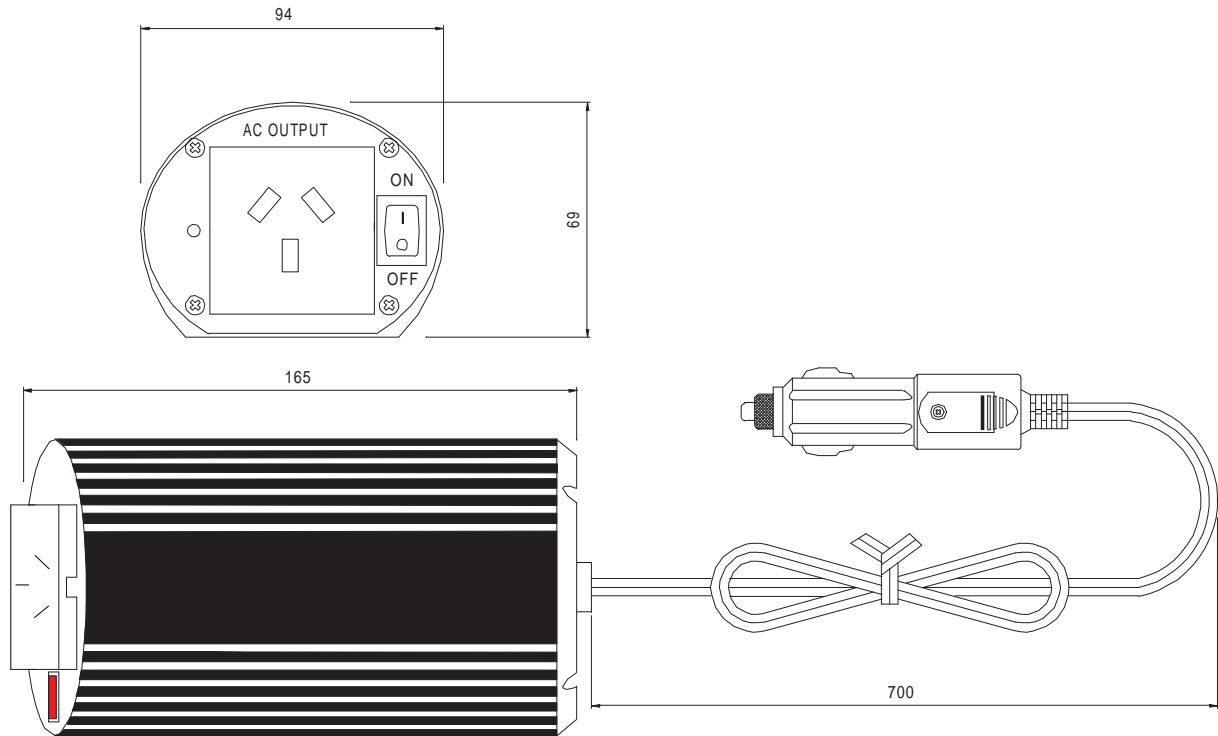
TYPE-3	TYPE-4	TYPE-5	TYPE-6
EUROPE	UNIVERSAL	AUSTRALIA	U.K



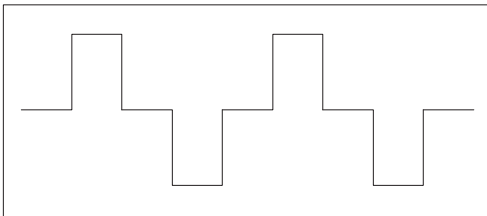
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Mechanical Specifications

Unit:mm



AC Waveform Modified Sine Wave

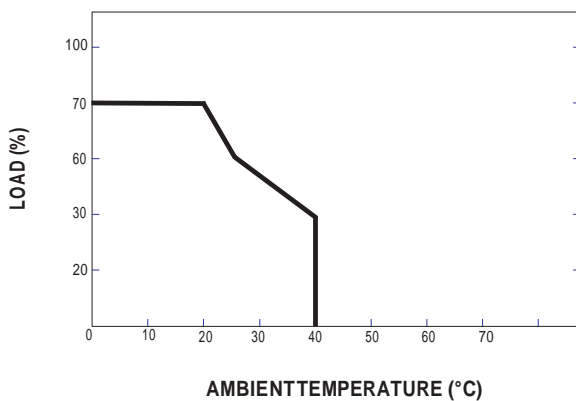


CAUTION

Always use the inverter in an environment which is:

- (A) Well ventilated
- (B) Not exposed to direct sunlight or heat source
- (C) Out of reach of children
- (D) Away from water/moisture oil or grease
- (E) Away from any flammable substance

Derating Curve



Output Loading & Duty

