



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



Features:

- 2 models available: 12V DC 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 / EAC / CE
- 1 year warranty



SPECIFICATIONS

ORDER NO.	A301-150-F3 (F5 supplied in Australia)	A302-150-F3 (F5 supplied in Australia)
OUTPUT	SAFETY MODEL NO.	A-300-150W
	AC VOLTAGE	230V
	RATED POWER	150W
	SURGE POWER	300W
	WAVEFORM	Modified Sine Wave
	FREQUENCY	50Hz $\pm 1\%$
	AC REGULATION	$\pm 10\%$
	STANDARD RECEPTACLES	TYPE-3 (TYPE-5 supplied in Australia)
LED INDICATOR	Dual-colour indicators, displays for power on & failure status	
INPUT	DC CURRENT	15A
	NO LOAD CURRENT DRAW	0.25A
	DC VOLTAGE	12V
	VOLTAGE RANGE	10 ~ 15VDC
	EFFICIENCY (Typ.)	78%
	DC CONNECTOR	700mm Cigarette plug
	FUSE	1 x 15A
PROTECTION	BAT. LOW ALARM	10 ± 0.5 V
	BAT. LOW SHUTDOWN	9.5 ± 0.5 V
	OVER VOLTAGE	15~17V
	OVER TEMPERATURE	60 ± 5 °C / 140 ± 9 °F
	OUTPUT SHORT	Shut-off
	BAT. POLARITY	Protected by fuse
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 RADIATION	Compliance to EN55014-1, EAC TP TC 020
	EMS IMMUNITY	Compliance to EN55014-2, EN61000-4-2,3, EAC TP TC 020
	LVD	Compliance to EN60950-1
OTHERS	MTBF	200Khrs min. MIL-HDBK-217F (25°C)
	DIMENSIONS	165*94*69mm (L*W*H)
	PACKAGING	0.8Kg; 20pcs / 15Kg / CARTON
	COOLING	Air convection
	APPLICATIONS	Home appliance, Power tools, Office and Portable equipment and Vehicles etc.

AC Output Receptacles (optional)

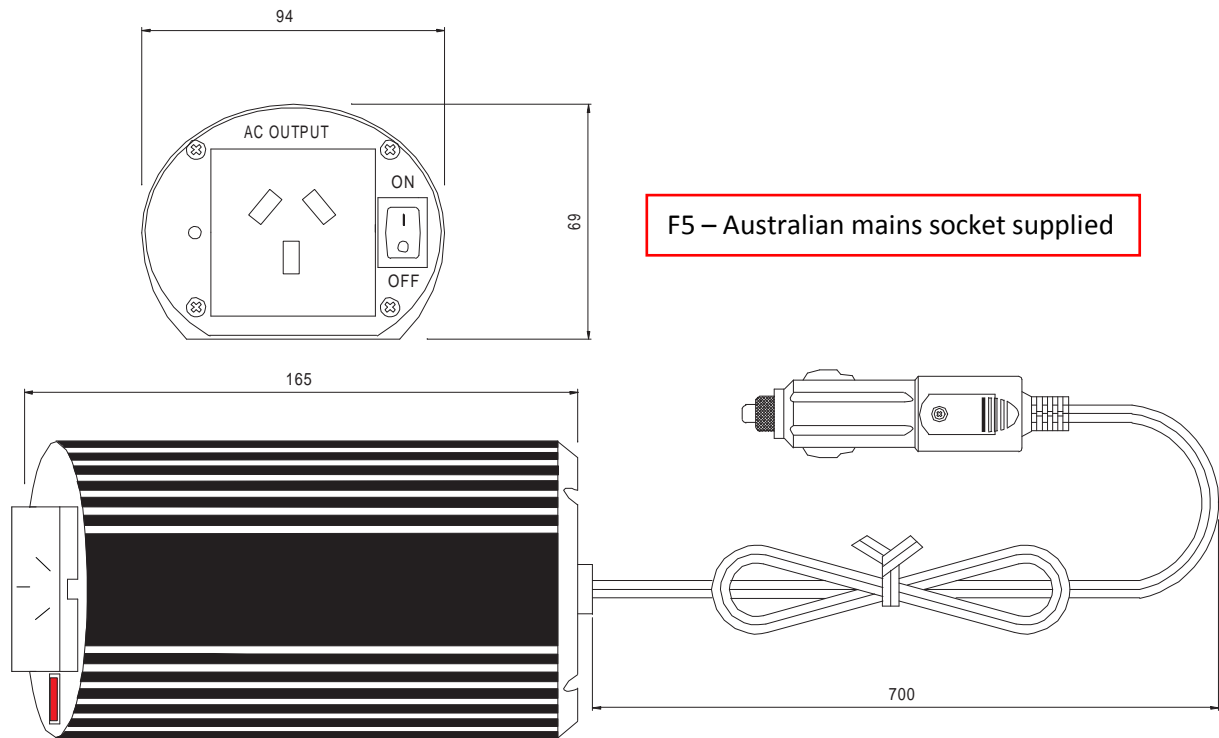
TYPE-3	TYPE-4	TYPE-5	TYPE-6
EUROPE	UNIVERSAL	AUSTRALIA	U.K



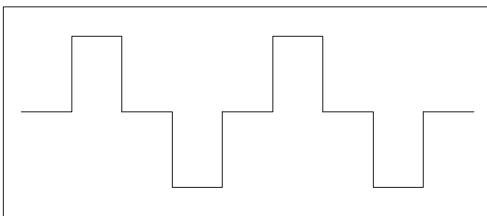
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Mechanical Specifications

Unit:mm



AC Waveform Modified Sine Wave

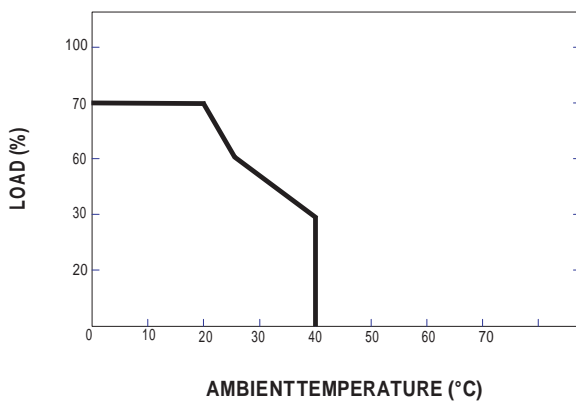


CAUTION

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

