150W Modified Sine Wave DC-AC Power Inverter A301/302-150 series



Features :

- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation:±10%
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/ Over temp./Output short/Input polarity reverse/Over load.
- Output waveform: Modified sine wave
- Topology: Microprocessor
- Approvals: E13 / EAC / CE / UKCA
- 1 year warranty

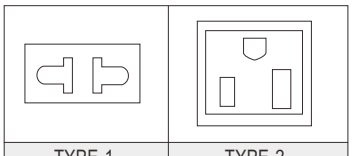
GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

SPECIFICATION

ORDER NO.		A301-150-B2	A302-150-B2
OUTPUT	SAFETY MODEL NO.	A301-150	A302-150
	AC VOLTAGE	110V	110V
	RATED POWER	150W	150W
	SURGE POWER	300W	300W
	WAVEFORM	Modified sine wave	Modified sine wave
	FREQUENCY	60Hz±1%	60Hz±1%
	AC REGULATION	±10%	±10%
	STANDARD RECEPTACLES	TYPE-2* 1ea	TYPE-2* 1ea
	LED INDICATOR	Green LED for power on	
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±0.5V	20.5±1V
	BAT. LOW SHUTDOWN	9.5±0.5V	19.5±1V
	OVER VOLTAGE	15 ~ 17V	30~32V
	OVER TEMPERATURE	60±5℃ / 140±9°F	
	OUTPUT SHORT	Shut-off; Broken	
	BAT. POLARITY	By fuse open	
ENVIRONMENT	WORKING TEMP.	0 ~ 30℃@100% load, 40℃@50% load	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)	
SAFETY & EMC	SAFETY STANDARDS	EAC TP TC 004 approved	
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃/ 70% RH	
	EMI RADIATION	Compliance to BS EN/EN55014-1, EAC TP TC 020	
	EMS IMMUNITY	Compliance to BS EN/EN55014-2, IEC61000-4-2,3, EAC TP TC 020	
	LVD	Compliance to BS EN/EN62368-1	
OTHERS	MTBF	200Khrs min. MIL-HDBK-217F(25℃)	
	DIMENSION	122*73*45mm (L*W*H)	
	PACKING	0.5Kg ; 30pcs / 17Kg / CARTON	
	COOLING	By air convection	
	APPLICATIONS	Home appliance, Power tools, Office and Portable equipment and Vehicle ...etc.	

AC Output Receptacles (optional)

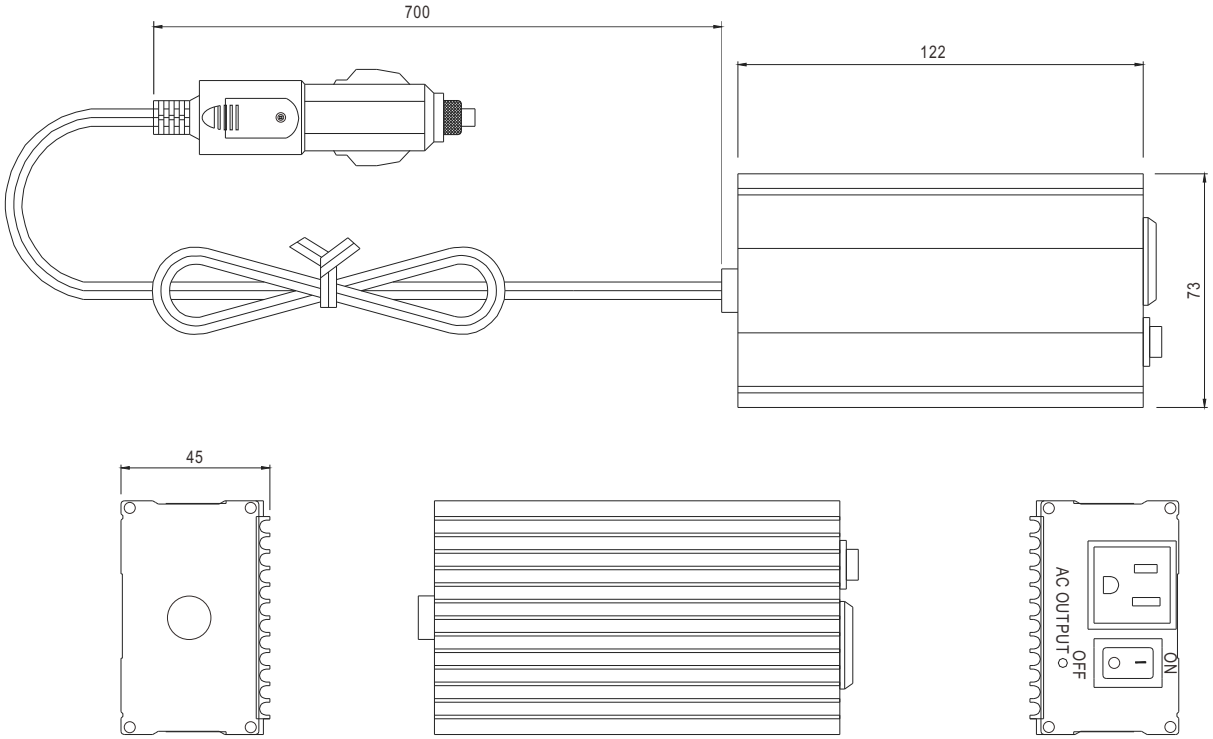


TYPE-1	TYPE-2
JAPAN	USA

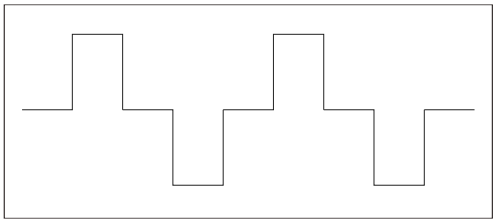
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■ Mechanical Specification

Unit:mm



■ AC Wavefrom Modified Sine Wave

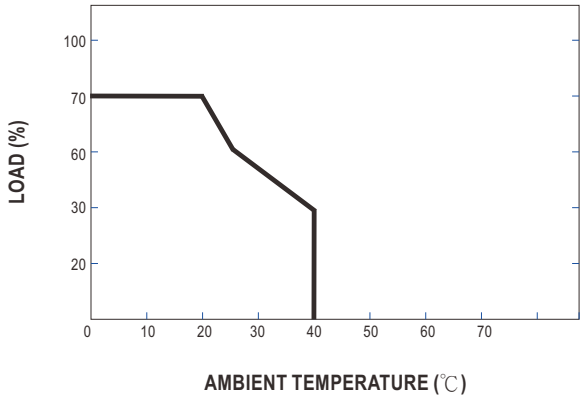


■ CAUTION

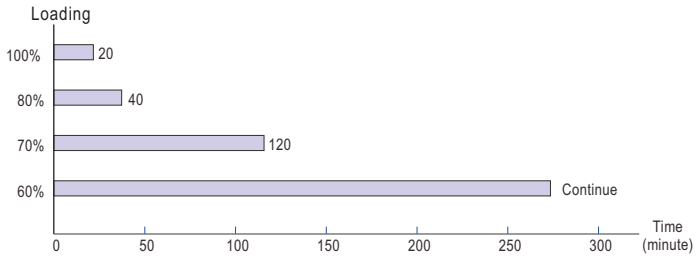
Always place the inverter in an environment which is:

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

■ Derating Curve



■ Output Loading & Duty



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150W Modified Sine Wave DC-AC Power Inverter A301/302-150 series



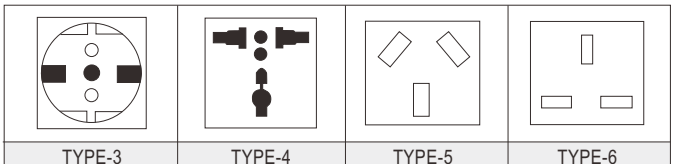
■ Features :

- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation:±10%
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/ Over temp./Output short/Input polarity reverse/Over load.
- Output waveform: Modified sine wave
- Topology: Microprocessor
- Approvals: E13 / EAC / CE / UKCA
- 1 year warranty

SPECIFICATION

ORDER NO.		A301-150-F3	A302-150-F3
OUTPUT	SAFETY MODEL NO.	A301-150	A302-150
	AC VOLTAGE	230V	230V
	RATED POWER	150W	150W
	SURGE POWER	300W	300W
	WAVEFORM	Modified Sine Wave	Modified sine wave
	FREQUENCY	50Hz±1%	50Hz±1%
	AC REGULATION	±10%	±10%
	STANDARD RECEPTACLES	TYPE-3* 1ea	TYPE-3* 1ea
	LED INDICATOR	Dual-color indicators display 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±0.5V	20.5±1V
	BAT. LOW SHUTDOWN	9.5±0.5V	19.5±1V
	OVER VOLTAGE	15 ~ 17V	30 ~ 32V
	OVER TEMPERATURE	60±5℃ / 140±9°F	
	OUTPUT SHORT	Shut-off	
	BAT. POLARITY	By fuse open	
ENVIRONMENT	WORKING TEMP.	0 ~ +30℃@100% load, 40℃@ 50% load	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158°F, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)	
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	ISOLATION RESISTANCE	I/P-O/P:100M Ohms min./ 500VDC / 25℃/ 70% RH	
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	EMS IMMUNITY	Compliance to BS EN/EN55014-2, IEC61000-4-2,3, EAC TP TC 020	
	LVD	Compliance to BS EN/EN62368-1	
OTHERS	MTBF	200Khrs min. MIL-HDBK-217F (25℃)	
	DIMENSION	165*94*69mm (L*W*H)	
	PACKING	0.8Kg ; 20pcs / 15Kg / CARTON	
	COOLING	By air convection	
	APPLICATIONS	Home appliance, Power tools, Office and Portable equipment and Vehicle ...etc.	

■ AC Output Receptacles (optional)

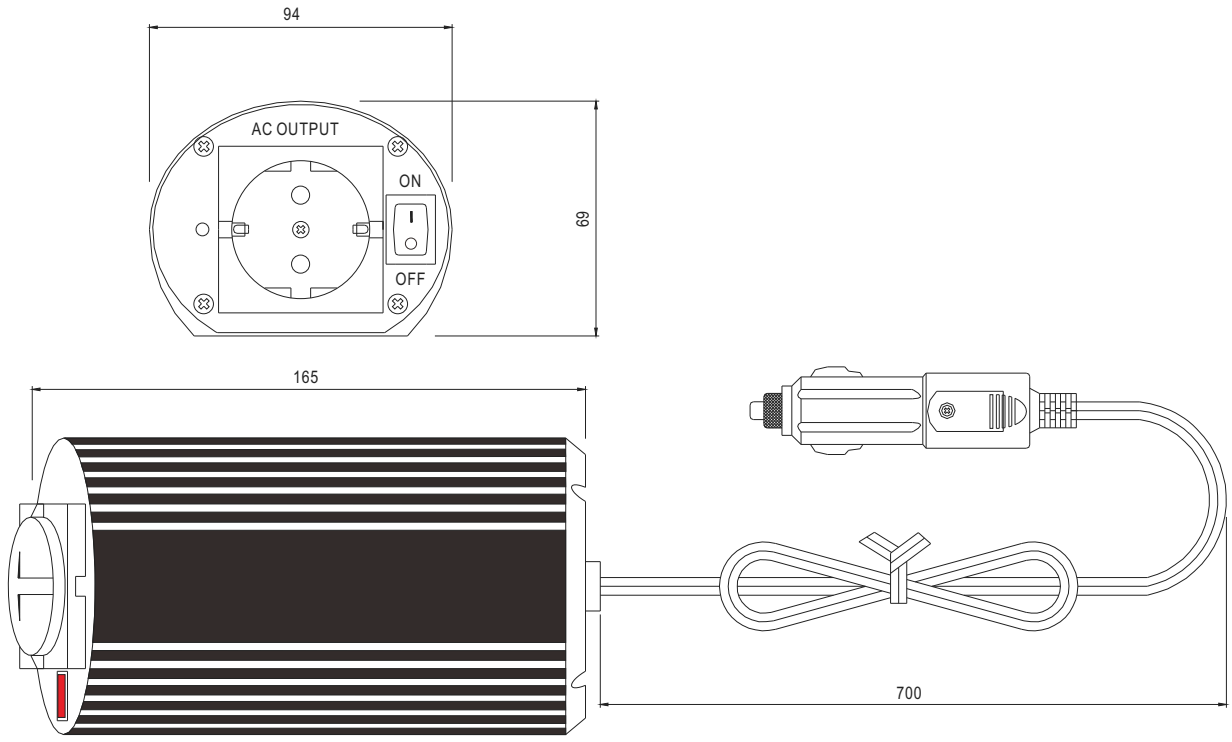


TYPE-3	TYPE-4	TYPE-5	TYPE-6
EUROPE	UNIVERSAL	AUSTRALIA	U.K

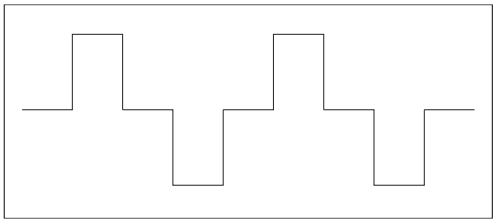
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Unit:mm



■ AC Wavefrom Modified Sine Wave

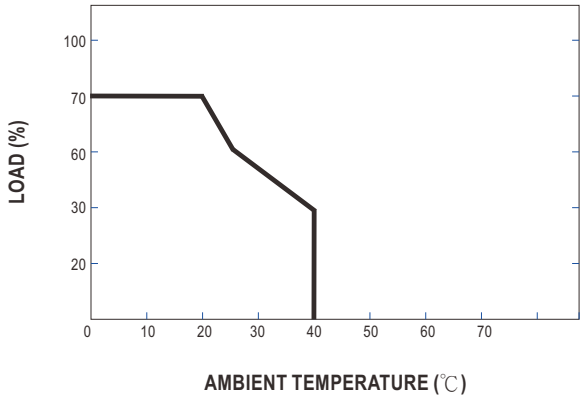


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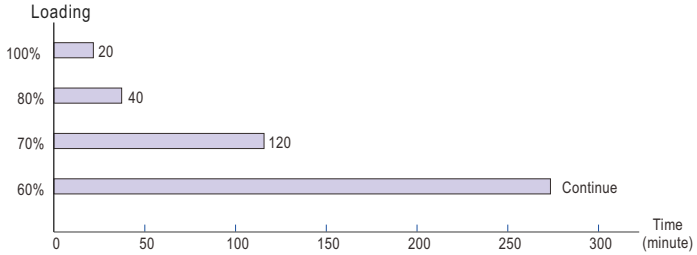
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