100W Modified Sine Wave DC-AC Power Inverter A301/302-100 series



Features :

- Built-in USB interface
- Cooling by free air convection(without fan)
- Slim size can fit in with the cup holder on vehicles
- High efficiency up to 90%
- 12V or 24V DC input
- Input voltage range: -15% ~ +25%
- Output voltage regulation:±10%
- Protections: Input reverse polarity/Bat. Low shutdown/Over voltage/ Over load/Over temperature/Output short
- 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

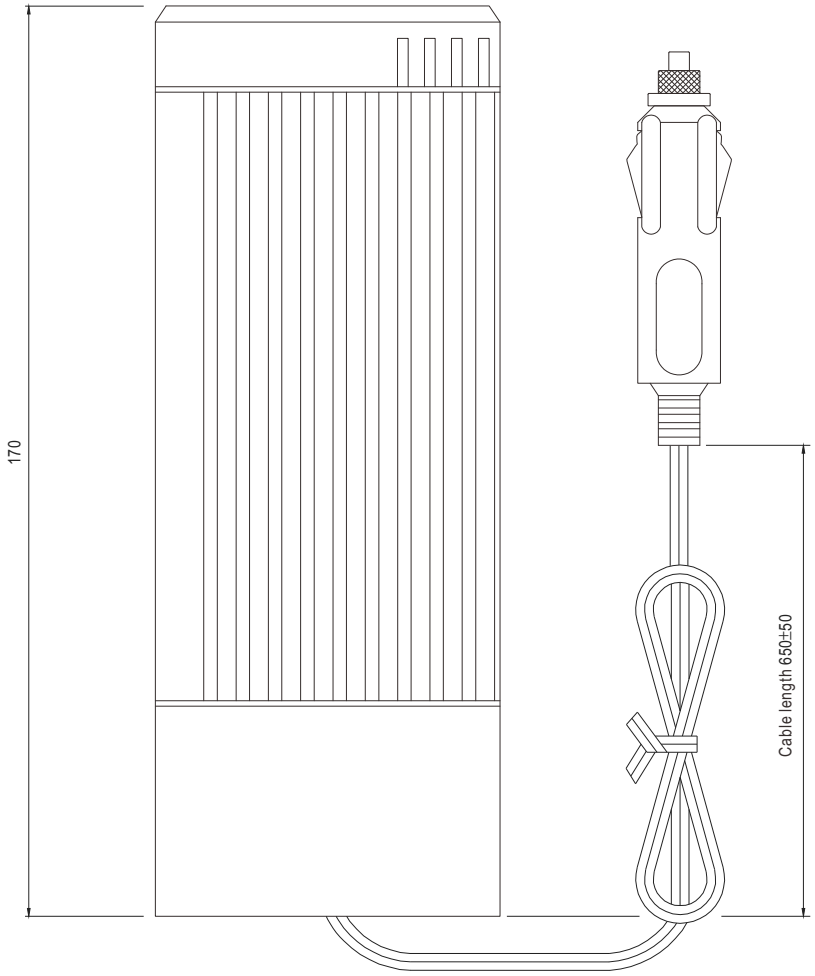
SPECIFICATION

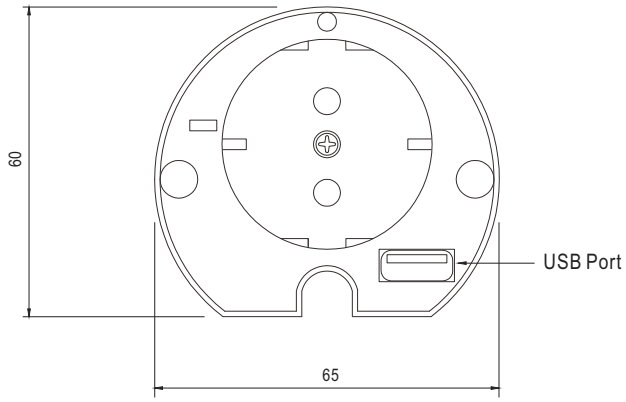
ORDER NO.		A301-100-F3	A302-100-F3
OUTPUT	SAFETY MODEL NO.	A301-100	A302-100
	AC RATED VOLTAGE Note.1	230V	
	RATED POWER	100W	
	SURGE POWER	200W	
	WAVEFORM	Modified Sine Wave	
	FREQUENCY	50Hz±1%	
	AC REGULATION	±10%	±10%
	STANDARD RECEPTACLES	Europe*1ea	
	LED INDICATOR	Dual-color indicator display for power on / failure status	
	USB POWER	5VDC / 500mA (max.)	5VDC / 300mA (max.)
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.)	90%	
	DC CONNECTOR	650±50mm Cigarette plug*1ea	
	FUSE	15A* 1ea	10A* 1ea
PROTECTION	BAT. LOW SHUTDOWN	10±0.5V	19.5±1V
	OVER VOLTAGE	15 ~ 17V	30 ~ 32V
	OVER TEMPERATURE	60±5℃ / 140±9°F (case)	
	OUTPUT SHORT	Shut-off	
	REVERSE. 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 min./ 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	DIMENSION	ϕ65*170mm (Diameter*L)	
	PACKING	0.55Kg ; 30pcs / 17.5Kg / CARTON	
	COOLING	By air convection	
	APPLICATIONS	Home appliance, office and portable equipment and vehicle ...etc.	
NOTE	1. AC rated output voltage is measured at 12.5VDC, 25VDC input voltage. ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx		

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■ Mechanical Specification

Unit:mm





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