



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/ CE
- 1 year warranty



SPECIFICATION

ORDER NO.		A301-100-F3	A302-100-F3
OUTPUT	SAFETY MODEL NO.	A-100-150W(N)	
	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% / °C (0 ~ 50℃)	
SAFETY & EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms min./ 500VDC / 25℃ / 70% RH	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, 72/ 245/ CEE, 2006/96/CE	
	EMS IMMUNITY	Compliance to EN61000-4-2,3	
	LVD	Compliance to EN60950-1	
OTHERS	DIMENSION	φ 65*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.		



100W Modified Sine Wave DC-AC Power Inverter

A301/302-100 series

■ Mechanical Specification

Unit:mm

