



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%
	STANDARD RECEPTACLES		Europe*1ea
	LED INDICATOR		Dual-color indicator display for power on / failure status
INPUT	USB POWER		5VDC / 500mA (max.)
			5VDC / 300mA (max.)
	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%	
PROTECTION	DC CONNECTOR		650±50mm Cigarette plug*1ea
	FUSE	15A* 1ea	10A* 1ea
	BAT. LOW SHUTDOWN	10±0.5V	19.5±1V
	OVER VOLTAGE	15 ~ 17V	30 ~ 32V
	OVER TEMPERATURE	60±5℃ / 140±9℉ (case)	
ENVIRONMENT	OUTPUT SHORT		Shut-off
	REVERSE. POLARITY		By fuse open
	WORKING TEMP.	0 ~ +30℃ @100% load, 40℃ @ 50% load	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-30 ~ +70℃ / -22 ~ +158℉, 10 ~ 95% RH	
SAFETY & EMC	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)	
	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	
OTHERS	LVD	Compliance to EN60950-1	
	DIMENSION	φ 65*170mm (Diameter*L)	
	PACKING	0.55Kg ; 30pcs / 17.5Kg / CARTON	
	COOLING	By air convection	
NOTE	APPLICATIONS		Home appliance, office and portable equipment and vehicle ...etc.
	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

