



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



SPECIFICATION

ORDER NO.	A301-100-F3	A302-100-F3
OUTPUT	SAFETY MODEL NO.	A301-100
	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
INPUT	USB POWER	5VDC / 500mA (max.)
	DC CURRENT	15A
	NO LOAD CURRENT DRAW	0.25A
	DC VOLTAGE	12V
	VOLTAGE RANGE	10 ~ 15VDC
	EFFICIENCY (Typ.)	90%
PROTECTION	DC CONNECTOR	650±50mm Cigarette plug*1ea
	FUSE	15A* 1ea
	BAT. LOW SHUTDOWN	10±0.5V
	OVER VOLTAGE	15 ~ 17V
ENVIRONMENT	OVER TEMPERATURE	60±5°C / 140±9°F (case)
	OUTPUT SHORT	Shut-off
	REVERSE. POLARITY	By fuse open
	WORKING TEMP.	0 ~ +30°C @100% load, 40°C @ 50% load
SAFETY & EMC	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.05% / °C (0 ~ 50°C)
	SAFETY STANDARDS	EAC TP TC 004 approved
OTHERS	ISOLATION RESISTANCE	I/P-O/P:100M Ohms min./ 500VDC / 25°C / 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
NOTE	DIMENSION	ø 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.	
	※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx	

■ Mechanical Specification

Unit:mm

