



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 <small>Note.1</small> | 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°C / 140±9°F (case) | |
| | OUTPUT SHORT | Shut-off | |
| | REVERSE. POLARITY | By fuse open | |
| ENVIRONMENT | WORKING TEMP. | 0 ~ +30°C @100% load, 40°C @ 50% load | |
| | 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 & EMC | SAFETY STANDARDS | EAC TP TC 004 approved | |
| | 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 | |
| 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. ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx | | |



■ Mechanical Specification

Unit:mm

