

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**

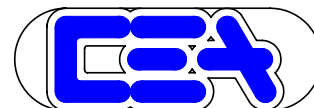
| ORDER NO.    |                                                                         | A301-100-F3                                                       | A302-100-F3         |
|--------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------|
| OUTPUT       | SAFETY MODEL NO.                                                        | A-100-150W(N)                                                     |                     |
|              | AC RATED VOLTAGE <small>Note.1</small>                                  | 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%                                                               |                     |
|              | DC CONNECTOR                                                            | 650±50mm Cigarette plug*1ea                                       |                     |
| PROTECTION   | 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°F (case)                                            |                     |
|              | OUTPUT SHORT                                                            | Shut-off                                                          |                     |
| ENVIRONMENT  | 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°F, 10 ~ 95% RH                            |                     |
| SAFETY & EMC | TEMP. COEFFICIENT                                                       | ±0.05% / °C (0 ~ 50℃)                                             |                     |
|              | ISOLATION RESISTANCE                                                    | I/P-O/P:100M Ohms min./ 500VDC / 25℃ / 70% RH                     |                     |
|              | EMI 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. |                                                                   |                     |

File Name: A301/302-100-SPEC 2016-04-06



Note: all features are subject to change without notice.

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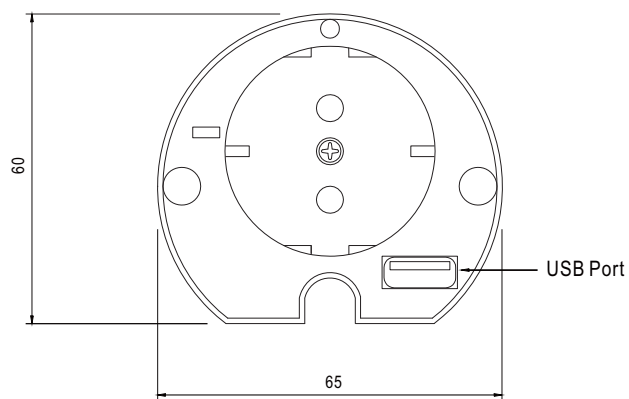
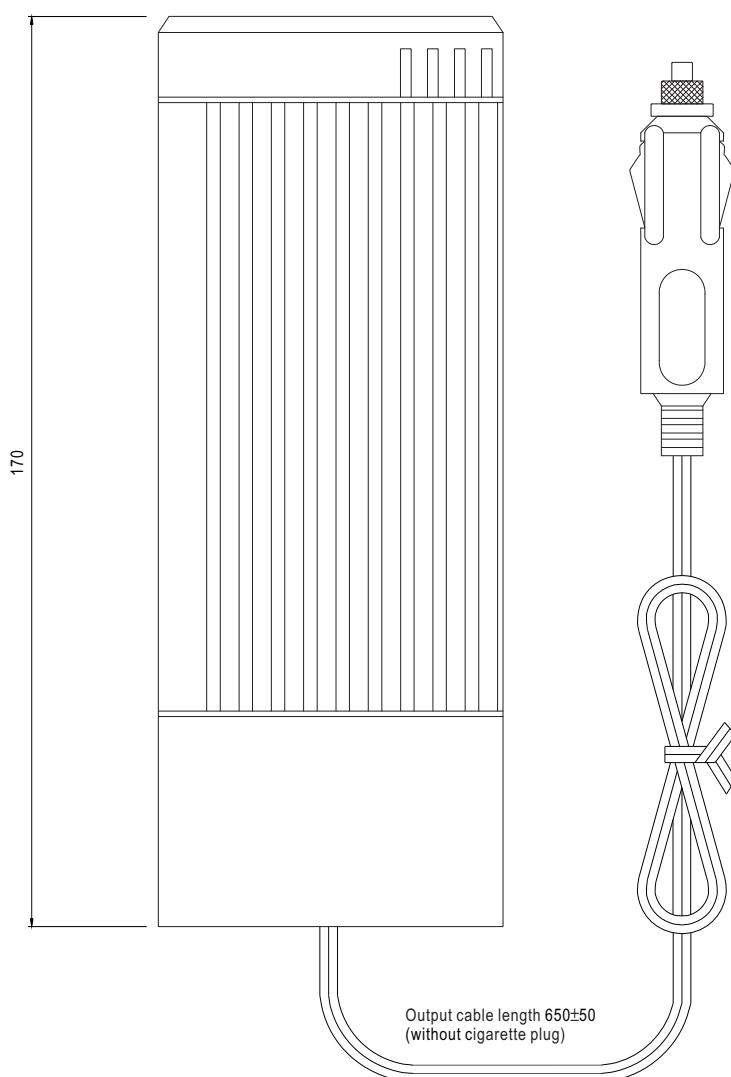


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■ Mechanical Specification

Unit:mm



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