



# 600W Modified Sine Wave DC-AC Power Inverter **A-301/302-600** series



## ■ Features :

- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation: ±10%
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/Over temp./Output short/Input polarity reverse/Over load.
- Output waveform: Modified sine wave
- Cooling fan ON-OFF control
- Topology: Microprocessor
- Approvals: e13/ CE
- 1 year warranty



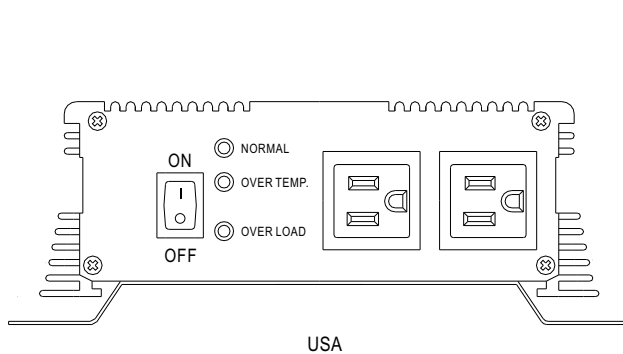
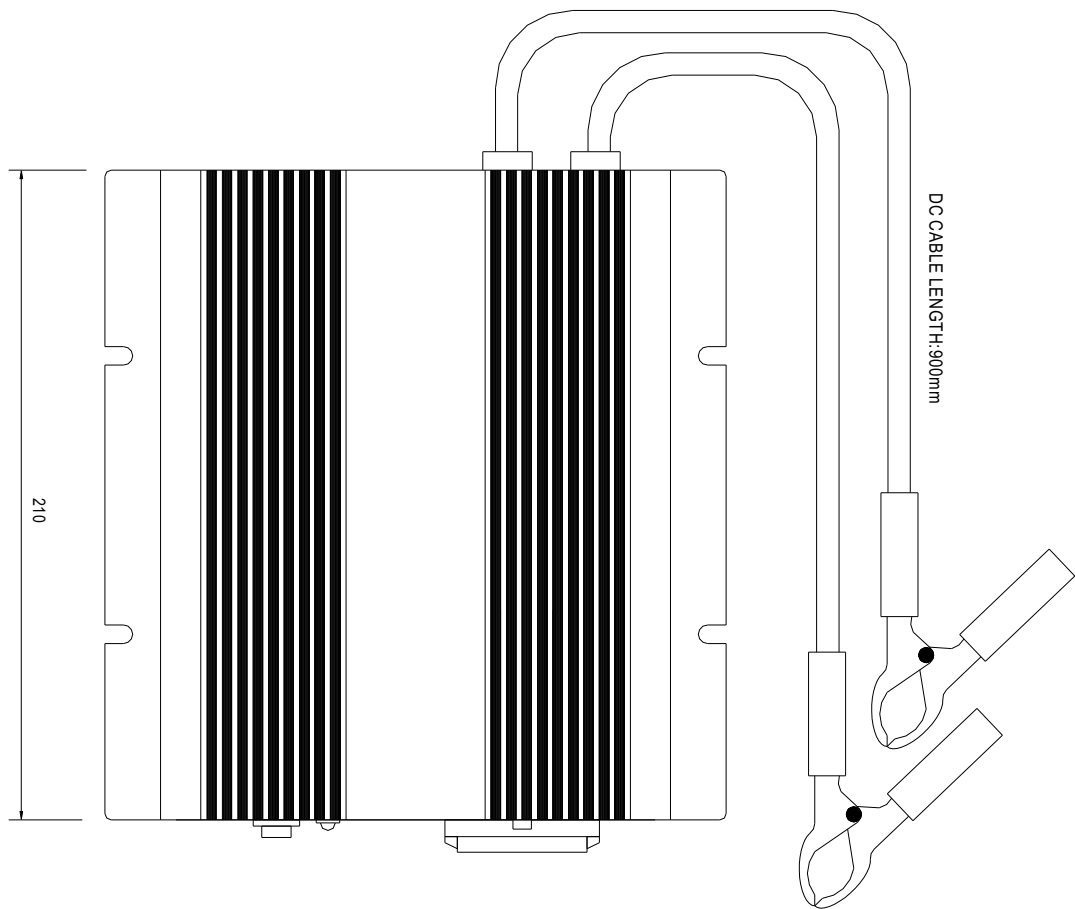
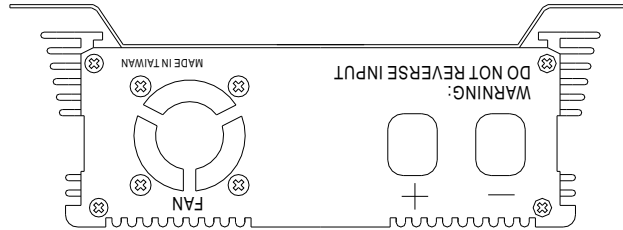
## SPECIFICATION

| ORDER NO.     |                            | A301-600-B2                                                                    | A301-600-F3 | A302-600-B2            | A302-600-F3 |
|---------------|----------------------------|--------------------------------------------------------------------------------|-------------|------------------------|-------------|
| OUTPUT        | SAFETY MODEL NO.           | A-300-600W                                                                     |             |                        |             |
|               | AC VOLTAGE                 | 110V                                                                           | 230V        | 110V                   | 230V        |
|               | RATED POWER                | 600W                                                                           |             |                        |             |
|               | SURGE POWER                | 1200W                                                                          |             |                        |             |
|               | WAVEFORM                   | Modified Sine Wave                                                             |             |                        |             |
|               | FREQUENCY                  | 60Hz±1%                                                                        | 50Hz±1%     | 60Hz±1%                | 50Hz±1%     |
|               | AC REGULATION              | ±10%                                                                           |             | ±10%                   |             |
|               | STANDARD RECEPTACLES       | TYPE-2* 2ea                                                                    | TYPE-3* 1ea | TYPE-2* 2ea            | TYPE-3* 1ea |
| LED INDICATOR |                            | Green LED for power on; Red LED for power failure status                       |             |                        |             |
| INPUT         | DC CURRENT                 | 60A                                                                            |             | 30A                    |             |
|               | NO LOAD CURRENT DRAW       | 0.5A                                                                           | 0.6A        | 0.35A                  | 0.38A       |
|               | DC VOLTAGE                 | 12V                                                                            |             | 24V                    |             |
|               | VOLTAGE RANGE              | 10 ~ 15VDC                                                                     |             | 21 ~ 30VDC             |             |
|               | EFFICIENCY (Typ.)          | 82%                                                                            |             | 85%                    |             |
|               | DC CONNECTOR               | 900mm Battery clip*1ea                                                         |             | 900mm Battery clip*1ea |             |
|               | FUSE                       | 25 A * 3ea                                                                     |             | 20 A * 3ea             |             |
| PROTECTION    | BAT. LOW ALARM             | 10±0.5V                                                                        |             | 19±0.8V                | 21±1V       |
|               | BAT. LOW SHUTDOWN          | 9.5±0.5V                                                                       |             | 18±0.8V                | 20±1V       |
|               | OVER LOAD                  | >750W shut down o/p voltage, re-power on to recover                            |             |                        |             |
|               | OVER VOLTAGE               | 15 ~ 17V                                                                       |             | 30 ~ 32V               |             |
|               | OVER TEMPERATURE           | 60±5℃ / 140±9°F                                                                |             |                        |             |
|               | OUTPUT SHORT               | Shut-off                                                                       |             |                        |             |
|               | BAT. 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, 95/ 54/ CE                        |             |                        |             |
|               | EMS IMMUNITY               | Compliance to EN61000-4-2,3                                                    |             |                        |             |
|               | LVD                        | Compliance to EN60950                                                          |             |                        |             |
| OTHERS        | MTBF                       | 100Khrs min. MIL-HDBK-217F(25℃)                                                |             |                        |             |
|               | DIMENSION                  | 210*173*65mm (L*W*H)                                                           |             |                        |             |
|               | PACKING                    | 2.1kg ; 8pcs / 20kg / CARTON                                                   |             |                        |             |
|               | COOLING                    | by fan, >50% load fan on                                                       |             |                        |             |
|               | APPLICATIONS               | Home appliance, Power tools, Office and Portable equipment and Vehicle ...etc. |             |                        |             |

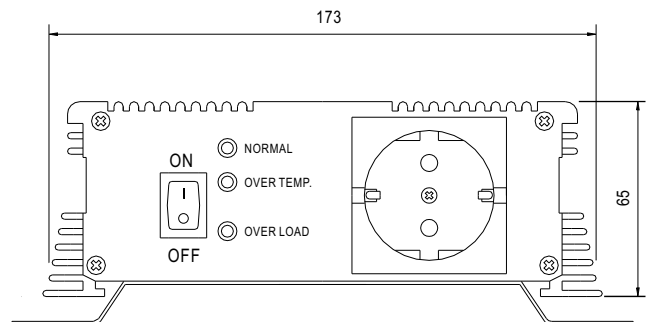
## ■ AC Output Receptacles (optional)

|        |        |        |           |           |        |
|--------|--------|--------|-----------|-----------|--------|
|        |        |        |           |           |        |
| TYPE-1 | TYPE-2 | TYPE-3 | TYPE-4    | TYPE-5    | TYPE-6 |
| JAPAN  | USA    | EUROPE | UNIVERSAL | AUSTRALIA | U.K    |

## ■ Mechanical Specification



USA



EUROPE