



# 2500W Modified Sine Wave DC-AC Power Inverter **A-301/302-2K5** 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
- ON/OFF remote control(Optional)
- Approvals: e13/ CE
- 1 year warranty



### SPECIFICATION

| ORDER NO.     | A301-2K5-B4  | A301-2K5-F3  | A302-2K5-B4 | A302-2K5-F3 |             |
|---------------|--|--|-------------|-------------|-------------|
| OUTPUT        | SAFETY MODEL NO. A-300-2K5W  |  |             |             |             |
|               | AC VOLTAGE   | 110V   | 230V        | 110V        | 230V        |
|               | RATED POWER  | 2500W  |             |             |             |
|               | SURGE POWER  | 5000W  |             |             |             |
|               | WAVEFORM   | Modified Sine Wave   |             |             |             |
|               | FREQUENCY  | 60Hz±1%  | 50Hz±1%     | 60Hz±1%     | 50Hz±1%     |
|               | AC REGULATION  | ±10%   |             |             |             |
|               | STANDARD RECEPTACLES   | TYPE-2* 2ea  | TYPE-3* 2ea | TYPE-2* 2ea | TYPE-3* 2ea |
| LED INDICATOR | Green LED for power on; Yellow LED for O.T.P.; Red LED for O.L.P.; Battery V/A meter |  |             |             |             |
| INPUT         | DC CURRENT   | 250A   |             | 130A        |             |
|               | NO LOAD CURRENT DRAW   | 0.9A   |             | 0.6A        |             |
|               | DC VOLTAGE   | 12V  |             | 24V         |             |
|               | VOLTAGE RANGE  | 10 ~ 15VDC   |             | 21 ~ 30VDC  |             |
|               | EFFICIENCY (Typ.)  | 82%  |             | 85%         |             |
|               | DC CONNECTOR   | None   |             | None        |             |
|               | FUSE   | 30A*12   |             | 15A*12      |             |
| PROTECTION    | BAT. LOW ALARM   | 10±0.5V  |             | 21±0.8V     |             |
|               | BAT. LOW SHUTDOWN  | 9.5±0.5V   |             | 20±0.8V     |             |
|               | OVER LOAD  | >2700W shut down o/p voltage, re-power to recover                              |             |             |             |
|               | OVER VOLTAGE   | 15 ~ 17V   |             | 30 ~ 32V    |             |
|               | OVER TEMPERATURE   | 60±5°C / 140±9°F   |             |             |             |
|               | OUTPUT SHORT   | Shut-off   |             |             |             |
| BAT. POLARITY | By fuse open   |  |             |             |             |
| ENVIRONMENT   | WORKING TEMP.  | 0 ~ +25°C @100% 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  | ISOLATION RESISTANCE   | I/P-O/P:100M Ohms / 500VDC / 25°C / 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   | 37Khrs min. MIL-HDBK-217F (25°C)   |             |             |             |
|               | DIMENSION  | 430*210*159mm (L*W*H)  |             |             |             |
|               | PACKING  | 8.7kg ; 2pcs / 19kg / CARTON   |             |             |             |
|               | COOLING  | >40°C (NTC) 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**

Unit:mm

