



# 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        |
|              | RATED POWER                 | 2500W                                                                                |             | 230V        |
|              | SURGE POWER                 | 5000W                                                                                |             |             |
|              | WAVEFORM                    | Modified Sine Wave                                                                   |             |             |
|              | FREQUENCY                   | 60Hz±1%                                                                              | 50Hz±1%     | 60Hz±1%     |
|              | AC REGULATION               | ±10%                                                                                 |             | ±10%        |
|              | STANDARD RECEPTACLES        | TYPE-2* 2ea                                                                          | TYPE-3* 2ea | TYPE-2* 2ea |
| INPUT        | LED INDICATOR               | Green LED for power on; Yellow LED for O.T.P.; Red LED for O.L.P.; Battery V/A meter |             |             |
|              | 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    |





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## ■ Mechanical Specification

Unit:mm

