



2500W Modified Sine Wave DC-AC Power Inverter **A301/302-2K5** 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/ EAC / CE
- 1 year warranty



SPECIFICATION

| ORDER NO. | A301-2K5-B4 | A301-2K5-F3 | A302-2K5-B4 | A302-2K5-F3 | |
|---------------|-------------------------|--|--|-------------|-------------|
| OUTPUT | SAFETY MODEL NO. | | A301-2K5 | | |
| | AC VOLTAGE | | 110V | 230V | |
| | RATED POWER | | 2500W | | |
| | SURGE POWER | | 5000W | | |
| | WAVEFORM | | Modified Sine Wave | | |
| | FREQUENCY | | 60Hz±1% | 50Hz±1% | 60Hz±1% |
| | AC REGULATION | | ±10% | | |
| | STANDARD RECEPTACLES | | TYPE-2* 2ea | TYPE-3* 2ea | TYPE-2* 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 | SAFETY STANDARDS | | EAC TP TC 004 approved | | |
| | ISOLATION RESISTANCE | | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH | | |
| | EMI RADIATION | | Compliance to EN55014-1, EAC TP TC 020 | | |
| | EMS IMMUNITY | | Compliance to EN55014-2, IEC61000-4-2,3, EAC TP TC 020 | | |
| | LVD | | Compliance to EN60950-1 | | |
| 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

