



# MEAN WELL

## A301-2K5-B2

*See full Datasheet below...*

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## ■ Features :

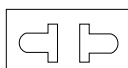
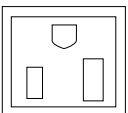
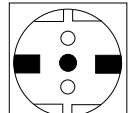
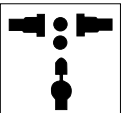
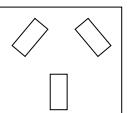
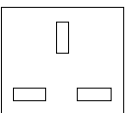
- 12V or 24V DC input
- Power ON-OFF switch
- Input voltage range: -15% ~ +25%
- Output voltage regulation: ±10%
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/Over temp./Output short/Input polarity reverse/Over load.
- Output waveform: Modified sine wave
- Cooling fan ON-OFF control
-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



## SPECIFICATION

| ORDER NO.    | A301-2K5-B2                | A301-2K5-F3                                                                          | A302-2K5-B2 | A302-2K5-F3 |
|--------------|----------------------------|--------------------------------------------------------------------------------------|-------------|-------------|
| OUTPUT       | SAFETY MODEL NO.           | A-300-2K5W                                                                           |             |             |
|              | AC VOLTAGE                 | 110V                                                                                 | 230V        | 110V        |
|              | 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 |
| 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                                                                                 |             |             |
|              | NO LOAD CURRENT DRAW       | 0.9A                                                                                 |             |             |
|              | DC VOLTAGE                 | 12V                                                                                  |             |             |
|              | VOLTAGE RANGE              | 10 ~ 15VDC                                                                           |             |             |
|              | EFFICIENCY (Typ.)          | 90%                                                                                  |             |             |
|              | DC CONNECTOR               | None                                                                                 |             |             |
|              | FUSE                       | 30A*12                                                                               |             |             |
| PROTECTION   | BAT. LOW ALARM             | 10±0.5V                                                                              |             |             |
|              | BAT. LOW SHUTDOWN          | 9.5±0.5V                                                                             |             |             |
|              | OVER LOAD                  | >2700W shut down o/p voltage, re-power to recover                                    |             |             |
|              | OVER VOLTAGE               | 15 ~ 17V                                                                             |             |             |
|              | 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                                                          |             |             |
|              | 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

