



## PSU-1203-01KB/PSU1205-01KB

### Description & Features



PSU1203-01KB / PSU1205-01KB is an uninterruptible PSU, its main is 13.6V (3A/5A), while it also provides maximum 1A charge current. It has a special access control board fits for different access system.

- High efficiency up to 85%, long life and high reliability
- Protection: input fuse / overload / over voltage / short circuit
- Multifunction LED indicators
- No delay battery boot up
- 100% full load burn-it test
- Metal box with key-lock, wall mount installation
- Withstand 5G vibration test
- 2 years warranty



### SPECIFICATION

|                     |                        |  |  |
|---------------------|------------------------|--|--|
| INPUT               | Voltage Range          | 190 - 240VAC   |  |
|                     | Frequency Range        | 50 - 60Hz  |  |
| OUTPUT              | Voltage (AC Mode)      | 13.6V ±2%  |  |
|                     | Voltage (Battery Mode) | Same as battery voltage  |  |
|                     | Rated Current          | 3A / 5A  |  |
|                     | Rated Power (Max.)     | 54.4W (with 1A charge current)   |  |
|                     | Efficiency (Typ.)      | >85%   |  |
|                     | Ripple & Noise         | <120mVp-p  |  |
|                     | Output Channel         | 2 channels   |  |
| CHARGING            | Voltage                | 13.6V ±2%  |  |
|                     | Current                | 1A (max.)<br>Constant voltage mode, charge current decreases when battery voltage increases.           |  |
| PROTECTION          | Input                  | 2A / 250VAC fuse   |  |
|                     | Overload               | 3.9A ±5%<br>Hiccup mode, recovers automatically after fault condition is removed.                      |  |
|                     | Over Voltage           | 16V ±5%<br>Hiccup mode, recovers automatically after fault condition is removed.                       |  |
|                     | Battery Low Voltage    | 10V ±2%<br>PSU shuts down until AC power recovers.   |  |
|                     | Short Circuit          | Hiccup mode, recovers automatically after fault condition is removed.                                  |  |
| ENVIRONMENT         | Temperature            | Working: -20 - 50°C  | Storage: -30 - 80°C                    |
|                     | Humidity               | Working: 20 - 80%RH  | Storage: 10 - 90%RH                    |
| LED INDICATOR       | Red                    | On   | AC power is on                         |
|                     | Green                  | On   | DC output is on                        |
|                     | Yellow                 | Off  | Battery is fully charged or no battery |
| SAFETY & EMC        | EMC Standards          | EN 55022: 2010, EN 55024: 2010, EN 61000-3-2: 2014, EN 61000-3-3: 2013                                 |  |
|                     | LVD Standards          | EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013   |  |
| METAL BOX & PACKING | Default Metal Box      | 203 x 163 x 74mm, fits for 1 pc 12V 9Ah battery.   |  |
|                     | Optional Metal Box     | 265 x 195 x 75mm, fits for 1 pc 12V 10Ah battery.<br>295 x 195 x 90mm, fits for 1 pc 12V 20Ah battery. |  |
|                     | Packing                | 41 x 35 x 23.5cm / CTN, 12kg / CTN, 10pcs / CTN (default metal box)                                    |  |
|                     |                        | (5A) / CTN, 0.057 CBM / CTN, 10 PCS / GM/NW: 15KG/13.5KG   |  |