

### Description & Features

800597 is an uninterruptible PSU, its main output is 13.8V / 5A, while it also provides constant 800mA charge current and two relay alarm outputs for AC failure / battery low voltage. It could be used for CCTV Surveillance / Access Control / Fire Alarm and other security systems.

- High efficiency up to 85%, long life and high reliability
- Protection: input fuse / overload / over voltage / short circuit
- Universal AC input
- 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 - 265VAC   |                          |
|                     | Frequency Range         | 50 - 60Hz  |                          |
| OUTPUT              | Voltage (AC Mode)       | 13.8V ±2%  |                          |
|                     | Voltage (Battery Mode)  | Same as battery voltage  |                          |
|                     | Rated Current           | 5A   |                          |
|                     | Rated Power (Max.)      | 80W (with 800mA charge current)  |                          |
|                     | Efficiency (Typ.)       | >85%   |                          |
|                     | Ripple & Noise          | <120mVp-p  |                          |
|                     | Output Channel          | 1 channel  |                          |
|                     | CHARGING                | Voltage  | 13.8V ±2%                |
| Current             |                         | 800mA Max  |                          |
| PROTECTION          | Input                   | 2A / 250VAC fuse   |                          |
|                     | Overload                | 6A ±5%, Hiccup mode, recovers automatically after fault condition is removed.  |                          |
|                     | Over Voltage            | 16V ±5%, Hiccup mode, recovers automatically after fault condition is removed. |                          |
|                     | Short Circuit           | 10V ±2%  |                          |
|                     | Battery Low Voltage     | 10V ±2%, PSU shuts down until AC power recovers.                               |                          |
|                     | Battery Reverse Connect | Battery not works, no effect on main output.                                   |                          |
| 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                  | On   | Battery is fully charged |
|                     |                         | Flickering   | Battery is charging      |
| SAFETY & EMC        | EMC Standards           | EN 55022: 2010, EN 55024: 2010, EN 61000-3-2: 2014, EN 61000-3-3: 2013         |                          |
|                     | LVD Standards           | EN 62368-1-2014-A11-2017   |                          |
| METAL BOX & PACKING | Default Metal Box       | 265 x 195 x 75mm, fits for 1 pc 12V 7Ah battery.                               |                          |
|                     | Optional Metal Box      | 295 x 195 x 90mm, fits for 1 pc 12V 17Ah battery.                              |                          |
|                     | Packing                 | 42.5 x 39.5 x 30cm / CTN, 16kg / CTN, 10pcs / CTN (default metal box)          |                          |



## RELAY ALARM

|               |          |    |                                  |
|---------------|----------|----|----------------------------------|
| ALARM<br>OACR | NO - COM | On | When AC power is on              |
|               | NC - COM | On | When AC power is off             |
| ALARM BLVR    | NO - COM | On | When battery voltage > 11V       |
|               | NC - COM | On | When 10V < battery voltage < 11V |

