



### Description & Features

SIHD1205-01B is an uninterruptible PSU, its main output is 13.8V / 5A, while it also provides constant 800mA charge current. 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 $\pm$ 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 $\pm$ 2%  |                     |
|                     | Current                 | 800mA Max   |                     |
| PROTECTION          | Input                   | 2A / 250VAC fuse  |                     |
|                     | Overload                | 6A $\pm$ 5%: Hiccup mode, recovers automatically after fault condition is removed.  |                     |
|                     | Over Voltage            | 16V $\pm$ 5%: Hiccup mode, recovers automatically after fault condition is removed. |                     |
|                     | Short Circuit           | Hiccup mode, recovers automatically after fault condition is removed.               |                     |
|                     | Battery Low Voltage     | 10V $\pm$ 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                  | Off: Battery is fully charged or no battery<br>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 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013                      |                     |
| 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.                                   |                     |
|                     | CTN Size / Weight       | 42.5 x 39.5 x 30cm / CTN, 16kg / CTN, 10pcs / CTN (default metal box)               |                     |