

Description & Features

SIHD1203-01B is an uninterruptible PSU, its main output is 13.8V / 3A, while it also provides maximum 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
- Multifunction LED indicators
- No delay battery boot up
- 100% full load burn-in 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 | 3A | |
| | Rated Power (Max.) | 52.5W (with 800mA charge current) | |
| | Efficiency (Typ.) | >85% | |
| | Ripple & Noise | <120mVp-p | |
| | Output Channel | 1 channel | |
| | CHARGING | Voltage | 13.8V ±2% |
| Current | | 800mA (max.) Constant voltage mode, charge current decreases when battery voltage increases. | |
| PROTECTION | Input | 2A / 250VAC fuse | |
| | Overload | 3.6A ±5% Hiccup mode, recovers automatically after fault condition is removed. | |
| | Over Voltage | 16V ±5% Hiccup mode, recovers automatically after fault condition is removed. | |
| | Battery Low Voltage | 10V ±2% 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 Flickering | Battery is fully charged 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 | 205 x 165 x 75mm, fits for 1 pc 12V 7Ah battery. | |
| | Optional Metal Box | 265 x 195 x 75mm, fits for 1 pc 12V 7Ah battery. | |
| | | 295 x 195 x 90mm, fits for 1 pc 12V 17Ah battery. | |
| Packing | 41 x 35 x 23.5cm / CTN, 11.5kg / CTN, 10pcs / CTN (default metal box) | | |