



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	On 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 62368-1-2014-A11-2017	
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)		