



Description & Features

SIHD1203-01B is an uninterruptible PSU, its main output is 13.6V / 3A, while it also provides maximum 1A 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-it test
- Metal box with key-lock, wall mount installation
- Withstand 5G vibration test



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		
	Rated Power (Max.)	54.4W (with 1A charge current)		
	Efficiency (Typ.)	>85%		
	Ripple & Noise	<120mVp-p		
	Output Channel	1 channel		
CHARGING	Voltage	13.6V ±2%		
	Current	1A (max.)	Constant voltage mode, charge current decreases when battery voltage increases.	
PROTECTION	Input	2A / 250VAC fuse		
	Overload	3.9A ±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 ±1%	PSU is shut 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	1. Red	On	AC power is on	
	2. Green	On	DC output is on	
	3. Yellow	Off	Battery is fully charged or no battery	
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	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.		
		295 x 195 x 90mm, fits for 1 pc 12V 20Ah battery.		
CTN Size / Weight	41 x 35 x 23.5cm, 10pcs / CTN, 11.5kg / CTN (default metal box)			