



Description & Features

SIHD2405-01BD is an uninterruptible PSU, its main output is 27.2V / 5A, 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)	27.2V ±2%	
	Voltage (Battery Mode)	Same as battery voltage	
	Rated Current	5A	
	Rated Power (Max.)	163.2W (with 1A charge current)	
	Efficiency (Typ.)	>85%	
	Ripple & Noise	<240mVp-p	
	Output Channel	2 channels	
CHARGING	Voltage	27.2V ±2%	
	Current	1A (max.)	
		Constant voltage mode, charge current decreases when battery voltage increases.	
PROTECTION	Input	3A / 250VAC fuse	
	Overload	6A ±5%	
		Hiccup mode, recovers automatically after fault condition is removed.	
	Over Voltage	30V ±5%	
		Hiccup mode, recovers automatically after fault condition is removed.	
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.	
	Battery Low Voltage	21V ±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 discharging / fully charged / no battery
		Flickering	Battery is charging
	Red	On	AC failure alarm
	Red	On	Battery low voltage (<22V) alarm
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	285 x 285 x 90mm, fits for 2 pcs 12V 5Ah batteries.	
	Optional Metal Box	395 x 285 x 165mm, fits for 2 pcs 12V 20Ah batteries.	
	Packing	51 x 31 x 32.5cm / CTN, 17kg / CTN, 5pcs / CTN (default metal box)	