

Description & Features

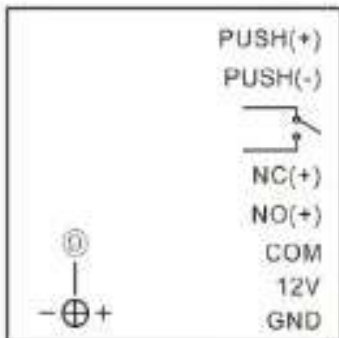
SIHD1205-01KB is an uninterruptible PSU, its main output is 13.8V / 5A, while it also provides constant 800mA charge current. It could be used for CCTV Surveillance / Access Control / Fire Alarm and other security systems.

- 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-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 $\pm$ 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	On	Battery is fully charged
		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 62368-1:2014+A11:2017	
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)	

	PUSH(+)	①	①	PUSH(+)	High-level voltage trigger
	PUSH(-)	②	②	PUSH(-)	Low-level voltage trigger
		③	③	SWITCH	Switch signal trigger
	NC(+)	④	④	NC(+)	Normally close 12V output
	NO(+)	⑤	⑤	NO(+)	Normally open 12V output
	COM	⑥	⑥	COM	Common terminal of NC(+) and NO(+)
	12V	⑦	⑦	12V	12V output
	GND	⑧	⑧	GND	Ground
		⑨	⑨	POTENTIOMETER	0 - 10s time delay