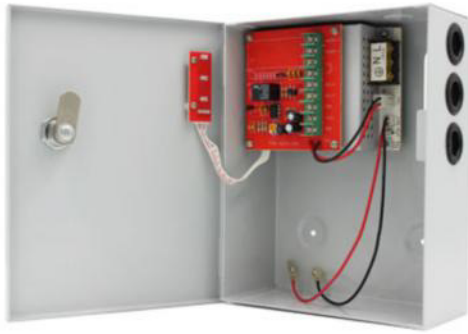


Description & Features

SIHD1203-01KB is an uninterruptible PSU, its main output is 13.6V / 3A, while it also provides maximum 1A charge current. It has a special access control board fits for different access 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	2 channels	
	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 ±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	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.	
Packing	41 x 35 x 23.5cm / CTN, 12kg / CTN, 10pcs / CTN (default metal box)		

Access Control Board

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