



### Description & Features

SAHD1205-02B is an uninterruptible PSU with aluminum case, its main output is 13.6V / 5A, while it also provides constant 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
- Small size, easy 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	5A	
	Rated Power (Max.)	68W (with 1A charge current)	
	Efficiency (Typ.)	>85%	
	Ripple & Noise	<120mVp-p	
	Output Channel	2 channels, the maximum output current of channel ① is 1A, while channel ② is 4A.	
CHARGING	Voltage	13.6V ±2%	
	Current	1A Constant current	
PROTECTION	Input	3A / 250VAC fuse	
	Overload	6A ±5% Hiccup mode, recovers automatically after fault condition is removed.	
	Over Voltage	16V ±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 ±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 Flickering	Battery is fully charged or no battery 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	
DIMENSION & PACKING	Product Dimension	140 x 80 x 43mm	
	Packing	44.5 x 31 x 19.5cm / CTN, 9.5kg / CTN, 20pcs / CTN	