



### Description & Features

SPHD1203-01B is a plastic box UPS power supply, its main output is 13.8V / 3A with additional 650mA charge current. It could be used for various security and automation systems.

- High efficiency up to 88%, long life and high reliability
- Protections: overload / over voltage / short circuit / battery deep discharge
- Multifunction LED indicators
- Additional charge current, no delay battery boots up
- Patented design, wall mount installation
- Optional modules to extend the usages
- 100% full load burn-in test
- 2 years warranty



### SPECIFICATION

INPUT	Voltage Range	190 - 265VAC	
	Frequency Range	50 - 60Hz	
	Efficiency (Typ.)	>88%	
OUTPUT	Voltage (AC Supplies)	13.8V	
	Voltage (BT Supplies)	Same as battery voltage	
	Rated Current	3A	
	Rated Power (Max.)	50W (with charging)	
	Ripple & Noise	<100mVp-p	
	Line Regulation	±2%	
	Load Regulation	±2%	
	Output Channel	1 channel	
CHARGING	Voltage	13.8V	
	Current	650mA (max.) Constant voltage mode, charge current decreases when battery voltage increases.	
PROTECTION	Overload	3.45A ±5%	
		Hiccup, recovers automatically after fault condition is removed.	
	Over Voltage	16V ±5%	
		Hiccup, recovers automatically after fault condition is removed.	
	Short Circuit	Hiccup, recovers automatically after fault condition is removed.	
Battery Deep Discharge	10V ±2%		
Battery Reverse Connect	PSU shuts down until AC power recovers.		
ENVIRONMENT	Temperature	Working: -20 - 50°C	Storage: -30 - 80°C
	Humidity	Working: 20 - 80%RH	Storage: 10 - 90%RH
LED INDICATOR	AC Power (Red)	On	AC power supplies
	Battery (Yellow)	On	Battery is fully charged
		Off	Battery is discharging
		Flickering	Battery is charging
DC Output (Green)	On	DC output okay	
SAFETY & EMC	EMC Standards	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3	
	LVD Standards	EN 62368	
DIMENSION	Plastic Box	228 x 195 x 78mm, fits for 12V 9Ah battery.	
	Package	45 x 42.5 x 26.5cm / CTN, 9kg / CTN, 10pcs / CTN	