



Description & Features

800500 is an uninterruptible PSU with 8 output channels, its main output is 13.8V / 10A, while it also provides maximum 1A charge current and two relay alarm outputs for AC failure / battery low voltage. 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-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	10A	
	Rated Power (Max.)	152W (with 1A charge current)	
	Efficiency (Typ.)	>85%	
	Ripple & Noise	<120mVp-p	
	Output Channel	8 channels with 1.5A glass fuse per channel.	
CHARGING	Voltage	13.8V $\pm 2\%$	
	Current	1A Max	
PROTECTION	Input	3.15A / 250VAC fuse	
	Overload	12A $\pm 5\%$, 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 discharging / fully charged / no battery	
		Flickering: Battery is charging	
	Red	On	AC failure alarm
	Red	On	Battery low voltage (<11V) alarm

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	295 x 195 x 90mm, fits for 1 pc 12V 7Ah battery (Default) or 17Ah battery (Optional).
	Optional Metal Box	395 x 285 x 165mm, fits 2 pc 17Ah battery.
	Packing	50.5 x 44 x 34cm / CTN, 19kg / CTN, 10pcs / CTN (default metal box)

RELAY ALARM

ALARM NAC	NO - COM	On	When AC power is on
	NC - COM	On	When AC power is off
ALARM LBT	NO - COM	On	When battery voltage > 11V
	NC - COM	On	When 10V < battery voltage < 11V

