

PSU-1205-LFP(M)



Description & Features

PSU-1205-LFP(M) is a metal box UPS power supply with 13.8V / 14.4V selectable output voltage and 5A total output current includes charging. It could work with both VRLA battery under 13.8V output voltage and LiFePO4 lithium battery under 14.4V output voltage with 2A / 3A / 4A selectable constant charge current.

- High efficiency up to 88%, long life and high reliability
- Protections: overload / over voltage / short circuit / battery deep discharging
- Selectable output voltage and charge current
- Multi-functional LED indicators
- Metal box with key-lock, wall mount installation
- Optional modules to extend the usages
- 100% full load burn-in test



SPECIFICATION

INPUT	Voltage Range	190 - 265VAC	
	Frequency Range	50 - 60Hz	
	Efficiency (Typ.)	>88%	
OUTPUT	Voltage	13.8V / 14.4V (selectable by jumper)	
	Rated Current	3A / 2A / 1A (follows charge current selection)	
	Rated Power (Max.)	72W (includes charging)	
	Ripple & Noise	<100mVp-p	
	Line Regulation	±2%	
	Load Regulation	±2%	
	Channel	1 channel	
CHARGING	Voltage	13.8V / 14.4V (follows output voltage setting)	
	Current	2A / 3A / 4A (selectable by jumper) Constant current mode	
PROTECTION	Overload	110% ±5%	
		Hiccup mode (resumes automatically after fault condition is removed)	
	Over Voltage	16V ±5%	
		Hiccup mode (resumes automatically after fault condition is removed)	
	Short Circuit	Hiccup mode (resumes automatically after fault condition is removed)	
	Battery Deep Discharging	10V ±2% (shuts down until AC power resumes)	
ENVIRONMENT	Temperature	Working: -20 - 50℃	Storage: -30 - 80℃
	Humidity	Working: 20 - 80%RH	Storage: 10 - 90%RH
LED INDICATOR	AC Power (Red)	On	AC input is okay
	Battery (Yellow)	On	Battery is fully charged
		Off	Battery is discharging
		Flickering	Battery is charging
	DC Output (Green)	On	DC output is okay
CONFORMITY	EMC Standard	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3	
	LVD Standard	EN 62368	
DIMENSION	Plastic Box	265 x 195 x 75mm (fits for a 12V 7-9Ah battery)	
	Package	43 x 43 x 30cm / CTN, 14.5kg / CTN, 10pcs / CTN	