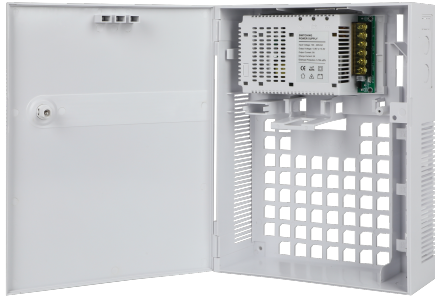


# PSU-1208-LFP(P)



## Description & Features

PSU-1208-LFP(P) is a plastic box UPS power supply with 13.8V / 14.4V selectable output voltage and 8A 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
- Patented plastic box design, 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            | 6A / 5A / 4A (follows charge current selection)                      |                          |
|               | Rated Power (Max.)       | 115W (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)<br>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              | 228 x 195 x 78mm (fits for a 12V 7-9Ah battery)                      |                          |
|               | Package                  | 45 x 42.5 x 26.5cm / CTN, 10kg / CTN, 10pcs / CTN                    |                          |