

# DR48120-01B



## Description & Features

DR48120-01B is a metal case DIN rail UPS power supply with 48 - 54V adjustable output voltage and 2.5A total output current includes charging. 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 discharging
- Multi-functional LED indicators
- No delay battery boots up
- TS35/7.5 or 15 industrial rail mounting
- 100% full load burn-in test



## SPECIFICATION

|               |                          |                                                                      |                          |
|---------------|--------------------------|----------------------------------------------------------------------|--------------------------|
| INPUT         | Voltage Range            | 190 - 265VAC                                                         |                          |
|               | Frequency Range          | 50 - 60Hz                                                            |                          |
|               | Efficiency (Typ.)        | >88%                                                                 |                          |
| OUTPUT        | Voltage                  | 48 - 54V adjustable                                                  |                          |
|               | Rated Current            | 2.5A                                                                 |                          |
|               | Rated Power (Max.)       | 140W (includes charging)                                             |                          |
|               | Ripple & Noise           | <400mVp-p                                                            |                          |
|               | Line Regulation          | ±2%                                                                  |                          |
|               | Load Regulation          | ±2%                                                                  |                          |
|               | Channel                  | 1 channel                                                            |                          |
| CHARGING      | Voltage                  | Same as output voltage                                               |                          |
|               | Current                  | 250mA<br>Constant current mode                                       |                          |
| PROTECTION    | Overload                 | 115% ±5%                                                             |                          |
|               |                          | Hiccup mode (resumes automatically after fault condition is removed) |                          |
|               | Over Voltage             | 60V ±5%                                                              |                          |
|               |                          | Hiccup mode (resumes automatically after fault condition is removed) |                          |
|               | Short Circuit            | Hiccup mode (resumes automatically after fault condition is removed) |                          |
| ENVIRONMENT   | Battery Deep Discharging | 42V ±2% (shuts down until AC power resumes)                          |                          |
|               | Temperature              | Working: -20 - 50°C                                                  | Storage: -30 - 80°C      |
|               | Humidity                 | Working: 20 - 80%RH                                                  | Storage: 10 - 90%RH      |
| LED INDICATOR | DC (Green)               | On                                                                   | DC output is okay        |
|               | BT (Yellow)              | On                                                                   | Battery is fully charged |
|               |                          | Flickering                                                           | Battery is charging      |
| CONFORMITY    | EMC Standard             | EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3                       |                          |
|               | LVD Standard             | EN 62368                                                             |                          |
| DIMENSION     | Metal Case               | 43 x 124 x 113mm                                                     |                          |
|               | Package                  | 41.5 x 28.5 x 27.5cm / CTN, 20kg / CTN, 30pcs / CTN                  |                          |