



Наличие и актуальные цены на

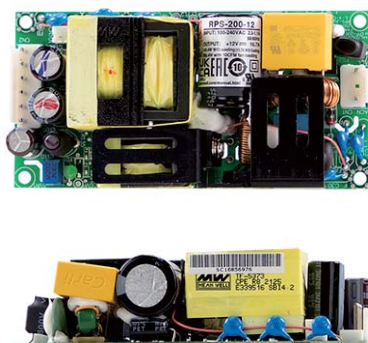
**RPS-200-24-C**

<https://www.mean-well.ru/store/RPS-200-24-C/>



200W Reliable Green Medical Power Supply

RPS-200 series



User's Manual



ANSI/AAMI ES60601-1 BS EN/EN60601-1 IEC60601-1 TPTC004



## Features

- 4"x2" compact size
- Medical safety approved (2 x MOPP) according to ANSI/AAMI ES60601-1 and IEC/BS EN/EN60601-1
- Suitable for BF application with appropriate system consideration
- 140W convention, 200W force air
- EMI Conduction for Class B Radiation for Class B with FG(Class I) and Class A without FG(Class II)
- No load power consumption < 0.5W
- Extremely low leakage current
- 12V/0.5A fan supply
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Lifetime > 65K hours
- Operating altitude up to 5000 meters
- 3 years warranty

## Description

RPS-200 is a 200W highly reliable green PCB type medical power supply with a high power density (21.9W/in<sup>3</sup>) on the 4" by 2" footprint. It accepts 80~264VAC input and offers various output voltages between 12V and 48V. The working efficiency is up to 95% and the extremely low no load power consumption is down below 0.5W. RPS-200 is able to be used for both Class I (with FG) and Class II (no FG) system design. The extremely low leakage current is less than 130  $\mu$ A. In addition, it conforms to the international medical regulations (2\*MOPP) and EMC BS EN/EN55011, perfectly fitting all kinds of BF rated "patient contact" medical system equipment.

## Model Encoding

RPS - 200 - 12 - C

Type  
Output voltage  
Rated wattage  
Series name

| Type  | Description          | Note     |
|-------|----------------------|----------|
| Blank | PCB Type             | In stock |
| C     | Enclosed casing Type | In stock |

## Applications

- Oral irrigator
- Hemodialysis machine
- Medical monitors
- Sleep apnea devices
- Pumps machine
- Electric bed

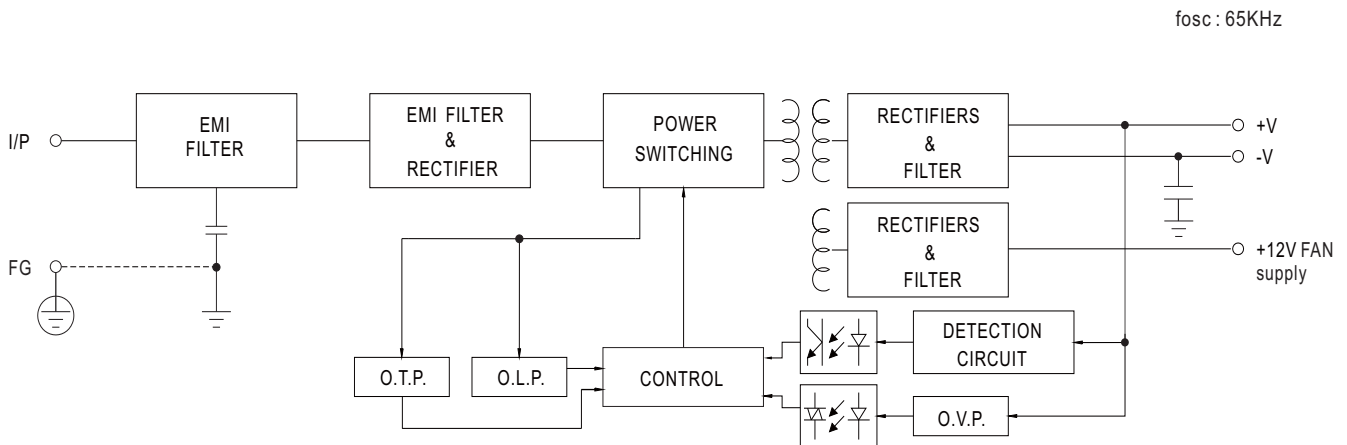
## GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

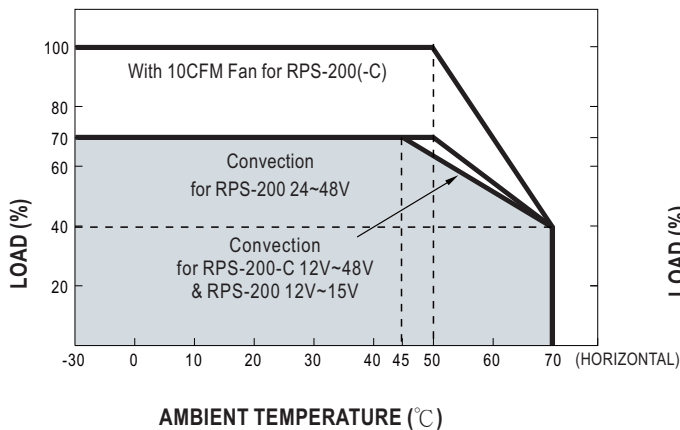
# SPECIFICATION

| MODEL                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 | RPS-200-12□                                                                                                                                                                                      | RPS-200-15□  | RPS-200-24□                                                            | RPS-200-27□                                                          | RPS-200-48□ |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------|----------------------------------------------------------------------|-------------|
| OUTPUT                    | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 | 12V                                                                                                                                                                                              | 15V          | 24V                                                                    | 27V                                                                  | 48V         |
|                           | CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10CFM                                                           | 16.7A                                                                                                                                                                                            | 13.4A        | 8.4A                                                                   | 7.5A                                                                 | 4.2A        |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Convection                                                      | 11.7A                                                                                                                                                                                            | 9.4A         | 5.9A                                                                   | 5.3A                                                                 | 3A          |
|                           | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10CFM                                                           | 200.4W                                                                                                                                                                                           | 201W         | 201.6W                                                                 | 202.5W                                                               | 201.6W      |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Convection                                                      | 140.4W                                                                                                                                                                                           | 141W         | 141.6W                                                                 | 143.1W                                                               | 144W        |
|                           | RIPPLE & NOISE (max.) Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 | 100mVp-p                                                                                                                                                                                         | 100mVp-p     | 120mVp-p                                                               | 120mVp-p                                                             | 120mVp-p    |
|                           | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 | 11.4~12.6V                                                                                                                                                                                       | 14.3~15.8V   | 22.8~25.2V                                                             | 25.6 ~ 28.4V                                                         | 45.6 ~50.4V |
|                           | VOLTAGE TOLERANCE Note.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 | ±2.0%                                                                                                                                                                                            | ±2.0%        | ±1.0%                                                                  | ±1.0%                                                                | ±1.0%       |
|                           | LINE REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 | ±0.5%                                                                                                                                                                                            | ±0.5%        | ±0.5%                                                                  | ±0.5%                                                                | ±0.5%       |
|                           | LOAD REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 | ±1.0%                                                                                                                                                                                            | ±1.0%        | ±1.0%                                                                  | ±1.0%                                                                | ±1.0%       |
| SETUP, RISE TIME          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 700ms, 30ms/230VAC      700ms, 30ms/115VAC at full load         |                                                                                                                                                                                                  |              |                                                                        |                                                                      |             |
| HOLD UP TIME (Typ.)       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16ms/230VAC      16ms/115VAC at full load                       |                                                                                                                                                                                                  |              |                                                                        |                                                                      |             |
| INPUT                     | VOLTAGE RANGE Note.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 | 80 ~ 264VAC      113 ~ 370VDC                                                                                                                                                                    |              |                                                                        |                                                                      |             |
|                           | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 | 47 ~ 63Hz                                                                                                                                                                                        |              |                                                                        |                                                                      |             |
|                           | POWER FACTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                 | PF>0.94/230VAC PF>0.98/115VAC at full load                                                                                                                                                       |              |                                                                        |                                                                      |             |
|                           | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | 93%                                                                                                                                                                                              | 93.5%        | 94%                                                                    | 94%                                                                  | 95%         |
|                           | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | 2A/115VAC      1A/230VAC                                                                                                                                                                         |              |                                                                        |                                                                      |             |
|                           | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 | COLD START 30A/115VAC      60A/230VAC                                                                                                                                                            |              |                                                                        |                                                                      |             |
|                           | LEAKAGE CURRENT(max.)Note.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 | Earth leakage current < 130μA/264VAC , Touch current < 40μA/264VAC                                                                                                                               |              |                                                                        |                                                                      |             |
| PROTECTION                | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 | 110 ~ 140% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                          |              |                                                                        |                                                                      |             |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.2 ~ 15.6V                                                    | 16.5 ~ 19.5V                                                                                                                                                                                     | 26.4 ~ 31.2V | 29.7 ~ 35V                                                             | 52.8 ~ 62.4V                                                         |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Protection type : Shut down o/p voltage, re-power on to recover |                                                                                                                                                                                                  |              |                                                                        |                                                                      |             |
|                           | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                  |              |                                                                        |                                                                      |             |
| FUNCTION                  | FAN SUPPLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                 | 12V@0.5A for driving a fan ; tolerance +15% ~ -15% at main output 20% rated current (10CFM)                                                                                                      |              |                                                                        |                                                                      |             |
| ENVIRONMENT               | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 | -30 ~ +70℃ (Refer to "Derating Curve")                                                                                                                                                           |              |                                                                        |                                                                      |             |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 | 20 ~ 90% RH non-condensing                                                                                                                                                                       |              |                                                                        |                                                                      |             |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 | -40 ~ +85℃, 10 ~ 95% RH non-condensing                                                                                                                                                           |              |                                                                        |                                                                      |             |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | ±0.03%/℃ (0 ~ 50℃)                                                                                                                                                                               |              |                                                                        |                                                                      |             |
|                           | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes                                                                                                                                     |              |                                                                        |                                                                      |             |
|                           | OPERATING ALTITUDE Note.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 | 5000 meters                                                                                                                                                                                      |              |                                                                        |                                                                      |             |
| SAFETY & EMC (Note 7)     | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 | IEC 60601-1:2005+A1+A2, TUV BS EN/ EN 60601-1:2006+A1+A12+A2, ANSI/AAMI ES60601-1:2005+A2 CAN/CSA C22.2 No. 60601-1:2014+A2, EAC TP TC 004 approved; Design refer to BS EN/EN60335-1(by request) |              |                                                                        |                                                                      |             |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 | Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, Secondary-Earth:1xMOPP                                                                                                                          |              |                                                                        |                                                                      |             |
|                           | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | I/P-O/P:4KVAC    I/P-FG:2KVAC    O/P-FG:1.5KVAC                                                                                                                                                  |              |                                                                        |                                                                      |             |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 | I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH                                                                                                                                                 |              |                                                                        |                                                                      |             |
|                           | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Parameter                                                       | Standard                                                                                                                                                                                         |              |                                                                        | Test Level / Note                                                    |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conducted emission                                              | BS EN/EN55011 (CISPR11)                                                                                                                                                                          |              |                                                                        | Class B                                                              |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Radiated emission                                               | BS EN/EN55011 (CISPR11)                                                                                                                                                                          |              |                                                                        | Class A (for Class II);Class B (for Class I)                         |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Harmonic current                                                | BS EN/EN61000-3-2                                                                                                                                                                                |              |                                                                        | Class A                                                              |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Voltage flicker                                                 | BS EN/EN61000-3-3                                                                                                                                                                                |              |                                                                        | -----                                                                |             |
|                           | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BS EN/EN55035, BS EN/EN60601-1-2                                |                                                                                                                                                                                                  |              |                                                                        |                                                                      |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Parameter                                                       | Standard                                                                                                                                                                                         |              |                                                                        | Test Level / Note                                                    |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ESD                                                             | BS EN/EN61000-4-2                                                                                                                                                                                |              |                                                                        | Level 4, 15KV air ; Level 4, 8KV contact                             |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RF field susceptibility                                         | BS EN/EN61000-4-3                                                                                                                                                                                |              |                                                                        | Level 3, 10V/m( 80MHz~2.7GHz )<br>Table 9, 9~28V/m( 385MHz~5.78GHz ) |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EFT bursts                                                      | BS EN/EN61000-4-4                                                                                                                                                                                |              |                                                                        | Level 3, 2KV                                                         |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Surge susceptibility                                            | BS EN/EN61000-4-5                                                                                                                                                                                |              |                                                                        | Level 4, 4KV/Line-FG ; 2KV/Line-Line                                 |             |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Conducted susceptibility                                        | BS EN/EN61000-4-6                                                                                                                                                                                |              |                                                                        | Level 3, 10V                                                         |             |
| Magnetic field immunity   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS EN/EN61000-4-8                                               |                                                                                                                                                                                                  |              | Level 4, 30A/m                                                         |                                                                      |             |
| Voltage dip, interruption |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS EN/EN61000-4-11                                              |                                                                                                                                                                                                  |              | 100% dip 1 periods, 30% dip 25 periods, 100% interruptions 250 periods |                                                                      |             |
| OTHERS                    | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 | 2669.7K hrs min.      Telcordia SR-332 (Bellcore) ; 500.3K hrs min.      MIL-HDBK-217F (25℃)                                                                                                     |              |                                                                        |                                                                      |             |
|                           | DIMENSION (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | PCB:101.6*50.8*29mm or 4"*2"*1.14"inch ; Enclosed type:103.4*62*40mm or 4.07"*2.44"*1.57"inch                                                                                                    |              |                                                                        |                                                                      |             |
|                           | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 | PCB:0.19Kg; 72pcs/14.7Kg/0.84CUFT ; Enclosed type:0.3Kg; 60pcs/19Kg/1.06CUFT                                                                                                                     |              |                                                                        |                                                                      |             |
| NOTE                      | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br>4. Derating may be needed under low input voltages. Please check the derating curve for more details.<br>5. Touch current was measured from primary input to DC output.<br>6. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).<br>7. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."<br>(as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a> )<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                 |                                                                                                                                                                                                  |              |                                                                        |                                                                      |             |

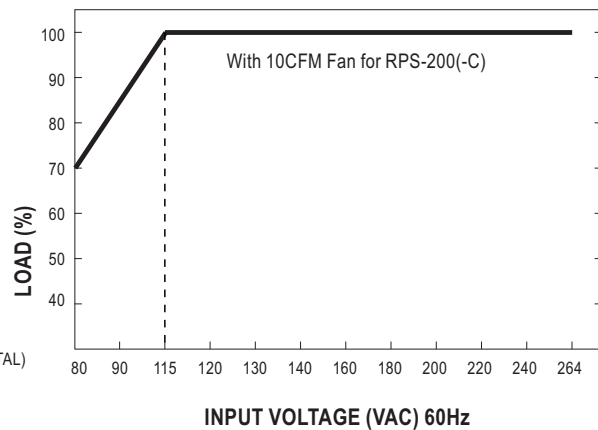
## Block Diagram



## Derating Curve

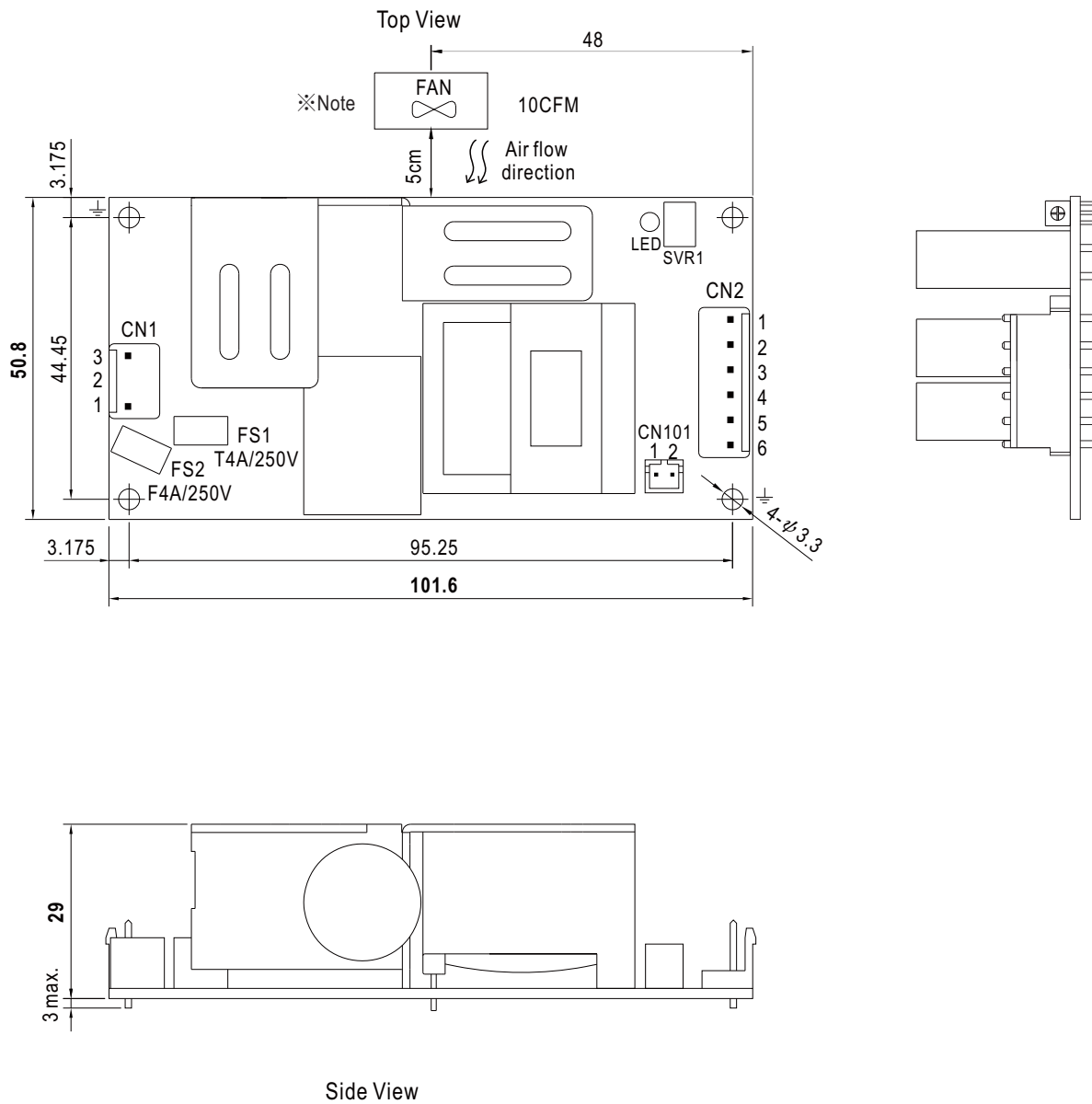


## Output Derating VS Input Voltage



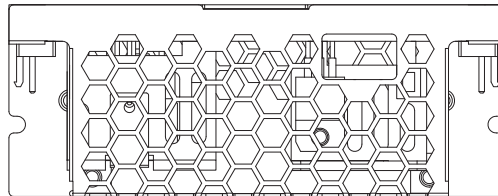
## Mechanical Specification

### ● RPS-200 (PCB Type)

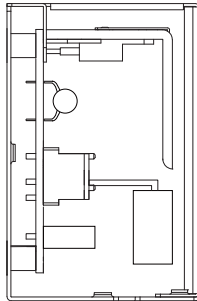
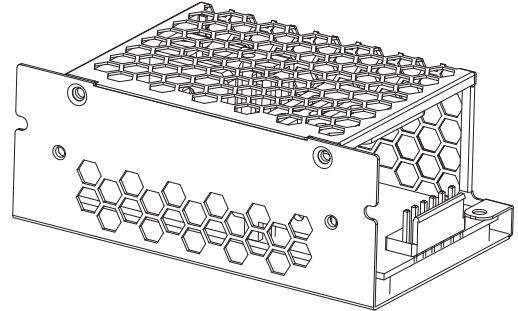


● RPS-200-C (Enclosed Type)

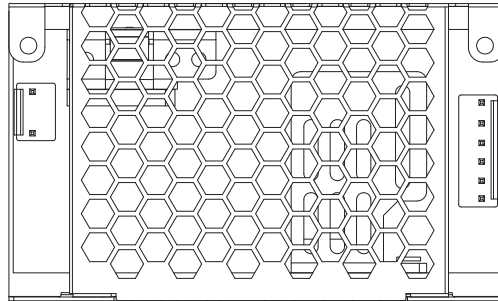
Case No.245A Unit:mm



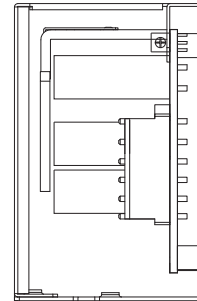
Side View



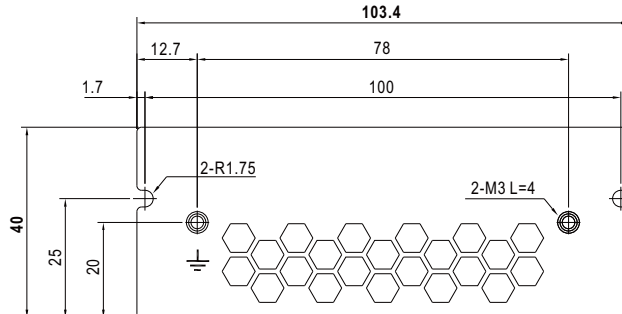
Side View



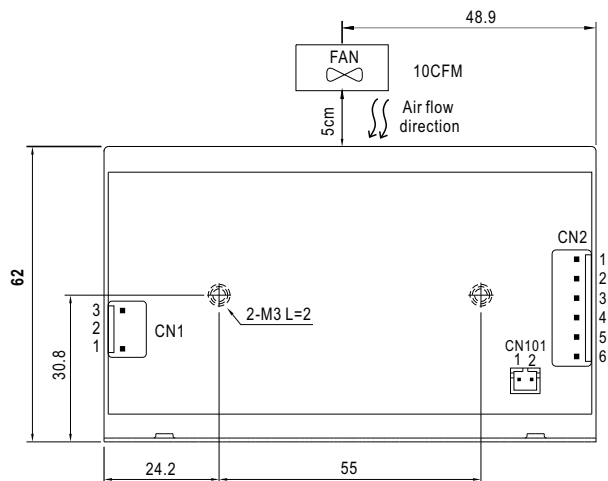
Top View



Side View



Side View



Bottom View

AC Input Connector (CN1) : JST B3P-VH or equivalent

| Pin No. | Assignment | Mating Housing           | Terminal                          |
|---------|------------|--------------------------|-----------------------------------|
| 1       | AC/L       | JST VHR<br>or equivalent | JST SVH-21T-P1.1<br>or equivalent |
| 2       | No Pin     |                          |                                   |
| 3       | AC/N       |                          |                                   |

DC Output Connector (CN2) : JST B6P-VH or equivalent

| Pin No. | Assignment | Mating Housing           | Terminal                          |
|---------|------------|--------------------------|-----------------------------------|
| 1,2,3   | +V         | JST VHR<br>or equivalent | JST SVH-21T-P1.1<br>or equivalent |
| 4,5,6   | -V         |                          |                                   |

FAN Connector(CN101) : JST B2B-PH-K-S or equivalent

| Pin No. | Assignment | Mating Housing             | Terminal                            |
|---------|------------|----------------------------|-------------------------------------|
| 1       | +12V       | JST PHR-2<br>or equivalent | JST SPH-002T-P0.5S<br>or equivalent |
| 2       | DC COM     |                            |                                     |

※Note : 1. The FAN supply is designed to serve as the source of the additive external fan for the cooling of the power supply, enabling the full load delivery and assuring the best life span of the product. Please do not use this FAN supply to drive other devices.

2.The PCB type(Blank type)EMI Conduction for Class B. Radiation for Class B with FG(Class I ) and Class A without FG(Class II )

3.The enclosed type(-C type) model is not suitable for the configuration within a Class II (no FG) system but is suggested to used within a Class I (with FG) system.

## ■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>