



(Blank type)



(C type)



(TF type)



(SF type)



Click Me



ANSI/AAMI ES60601-1 BS EN/EN60601-1 BS EN/EN 62368-1 IEC60601-1 TPTC004  
UL 62368-1 only for RPS-400(Blank) only for RPS-400(Blank) IEC 62368-1 only  
for RPS-400(Blank)

## Features

- 5"×3" compact size
- ANSI/AAMI ES60601-1, IEC/BS EN/EN 60601-1 (2 x MOPP) and IEC/EN/UL 62368-1 approved
- Suitable for BF application with appropriate system configuration
- 250W convection, 400W force air
- EMI Class B for Class I & Class A for Class II configuration
- No load power consumption < 0.5W by PS-ON control
- 5Vdc standby output, 12Vdc fan supply, Power Good, Power Fail and remote sense
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Operating altitude up to 4000 meters
- 3 years warranty

## Description

RPS-400 is a 400W highly reliable green PCB type medical power supply with a high power density on the 5" by 3" footprint. It accepts 80~264VAC input and offers various output voltages between 12V and 48V. The working efficiency is up to 94% and the extremely low no load power consumption is down below 0.5W. RPS-400 (blank type only) is able to be used for both Class I (with FG) or Class II (no FG) system design. The extremely low leakage current is less than 160μA. In addition, it conforms to international medical regulations (2\*MOPP) and EMC BS EN/EN55011, perfectly fitting all kinds of BF rated "patient contact" medical system equipment. RPS-400 series also offers the enclosed style models (-C / TF / SF)

## Model Encoding

RPS - 400 - 12 - C

↑      ↑      ↑      ↑  
Type  
Output voltage  
Rated wattage  
Series name

## Applications

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

## GTIN CODE

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

| Type  | Description                        | Note     |
|-------|------------------------------------|----------|
| Blank | PCB Type                           | In stock |
| C     | Enclosed casing Type               | In stock |
| TF    | Enclosed Type with fan on the top  | In stock |
| SF    | Enclosed Type with fan on the side | In stock |

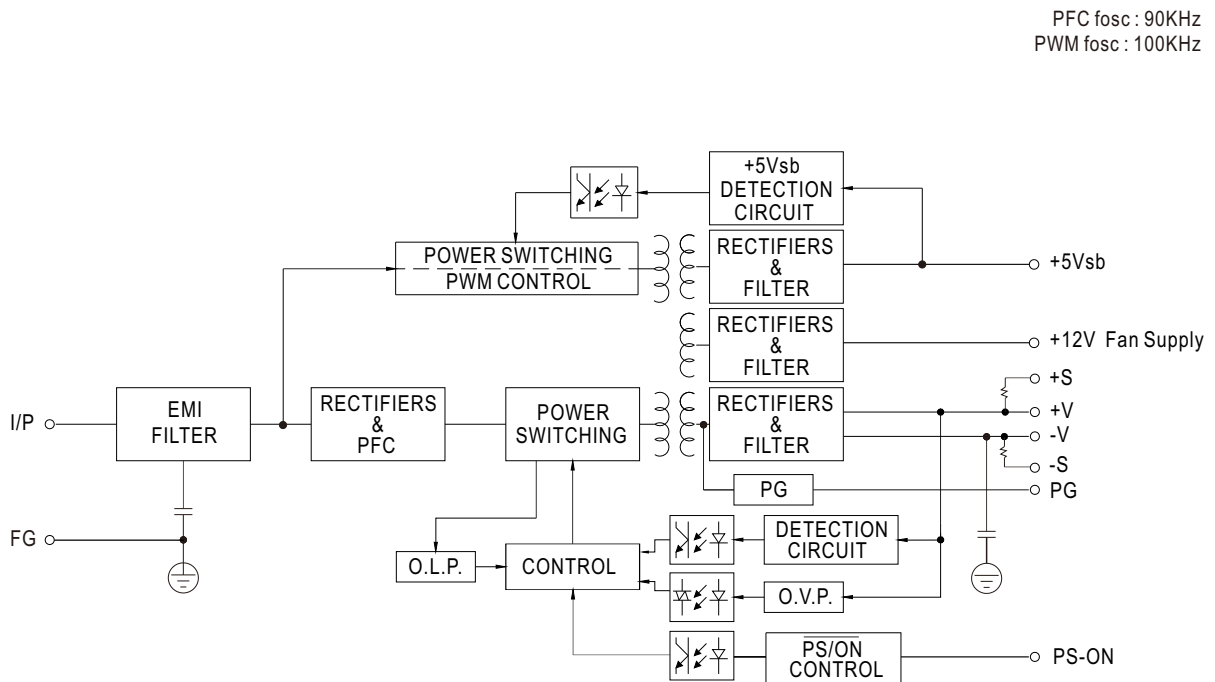
**SPECIFICATION**

| MODEL       |                                 | RPS-400-12□                                                                                                                                                       | RPS-400-15□  | RPS-400-18□ | RPS-400-24   | RPS-400-27□  | RPS-400-36□  | RPS-400-48□  |
|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|--------------|--------------|--------------|--------------|
| OUTPUT      | DC VOLTAGE                      | 12V                                                                                                                                                               | 15V          | 18V         | 24V          | 27V          | 36V          | 48V          |
|             | CURRENT                         | 25CFM                                                                                                                                                             | 33.3A        | 26.7A       | 22.3A        | 16.7A        | 14.9A        | 11.2A        |
|             |                                 | Convection                                                                                                                                                        | 20.8A        | 16.7A       | 13.9A        | 10.5A        | 9.3A         | 7A           |
|             | RATED POWER                     | 25CFM                                                                                                                                                             | 399.6W       | 400.5W      | 401.4W       | 400.8W       | 402.3W       | 403.2W       |
|             |                                 | Convection                                                                                                                                                        | 249.6W       | 250.5W      | 250.2W       | 252W         | 251.1W       | 252W         |
|             | RIPPLE & NOISE (max.) Note.2    | 120mVp-p                                                                                                                                                          | 120mVp-p     | 150mVp-p    | 150mVp-p     | 200mVp-p     | 200mVp-p     | 200mVp-p     |
|             | VOLTAGE ADJ. RANGE(main output) | 11.4~12.6V                                                                                                                                                        | 14.3~15.8V   | 17.1~18.9V  | 22.8~25.2V   | 25.6 ~ 28.4V | 34.2 ~37.8V  | 45.6 ~50.4V  |
|             | VOLTAGE TOLERANCE Note.3        | ±3.0%                                                                                                                                                             | ±3.0%        | ±3.0%       | ±2.0%        | ±1.0%        | ±1.0%        | ±1.0%        |
|             | LINE REGULATION                 | ±0.5%                                                                                                                                                             | ±0.5%        | ±0.5%       | ±0.5%        | ±0.5%        | ±0.5%        | ±0.5%        |
|             | LOAD REGULATION                 | ±1.0%                                                                                                                                                             | ±1.0%        | ±1.0%       | ±1.0%        | ±1.0%        | ±1.0%        | ±1.0%        |
| INPUT       | SETUP, RISE TIME                | 1000ms, 30ms/230VAC 1500ms, 30ms/115VAC at full load                                                                                                              |              |             |              |              |              |              |
|             | HOLD UP TIME (Typ.)             | 16ms/230VAC 16ms/115VAC at full load                                                                                                                              |              |             |              |              |              |              |
|             | 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.)               | 91.5%                                                                                                                                                             | 92%          | 93%         | 93%          | 93.5%        | 94%          | 94%          |
|             | AC CURRENT (Typ.)               | 4.2A/115VAC 2.1A/230VAC                                                                                                                                           |              |             |              |              |              |              |
| PROTECTION  | INRUSH CURRENT (Typ.)           | COLD START 35A/115VAC 70A/230VAC                                                                                                                                  |              |             |              |              |              |              |
|             | LEAKAGE CURRENT (max.) Note.5   | Earth leakage current <200μA/264VAC 50Hz , Touch current < 70μA/264VAC                                                                                            |              |             |              |              |              |              |
|             | OVERLOAD                        | 105 ~ 135% 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 | 19.8 ~23.4V | 26.4 ~ 31.2V | 29.7 ~ 35.1V | 39.6 ~ 46.8V | 52.8 ~ 62.4V |
| FUNCTION    | OVER TEMPERATURE                | Protection type : Shut down o/p voltage, recovers automatically after temperature goes down                                                                       |              |             |              |              |              |              |
|             | 5V STANDBY                      | 5Vsb : 5V@0.6A without fan, 1A with fan 25CFM ;<br>Tolerance ±2%, ripple : 120mVp-p(max.)                                                                         |              |             |              |              |              |              |
|             | FAN SUPPLY                      | 12V@0.5A for driving fan ;<br>Tolerance -15% ~+10% at main output 35% rated current (25CFM)                                                                       |              |             |              |              |              |              |
|             | FAN CONTROL                     | Fan on by 20% load min. (For RPS-400-xxTF/SF)                                                                                                                     |              |             |              |              |              |              |
|             | PS-ON INPUT SIGNAL              | Power on: PS-ON = "Hi" or " > 2 ~ 5V" ;<br>Power off: PS-ON = "Low" or " < 0 ~ 0.5V"                                                                              |              |             |              |              |              |              |
| ENVIRONMENT | POWER GOOD / POWER FAIL         | 500ms>PG>10ms ; The TTL signal goes high with 10ms to 500ms delay after power set up ;<br>The TTL signal goes low at least 1ms before Vo below 90% of rated value |              |             |              |              |              |              |
|             | WORKING TEMP.                   | -30 ~ +70°C (Refer to "Derating Curve")                                                                                                                           |              |             |              |              |              |              |
|             | WORKING HUMIDITY                | 20 ~ 90% RH non-condensing                                                                                                                                        |              |             |              |              |              |              |
|             | STORAGE TEMP., HUMIDITY         | -40 ~ +85°C, 10 ~ 95% RH non-condensing                                                                                                                           |              |             |              |              |              |              |
|             | TEMP. COEFFICIENT               | ±0.03%/°C (0 ~ 50°C)                                                                                                                                              |              |             |              |              |              |              |
|             | VIBRATION                       | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes                                                                                                      |              |             |              |              |              |              |
|             | OPERATING ALTITUDE Note.6       | 4000 meters                                                                                                                                                       |              |             |              |              |              |              |

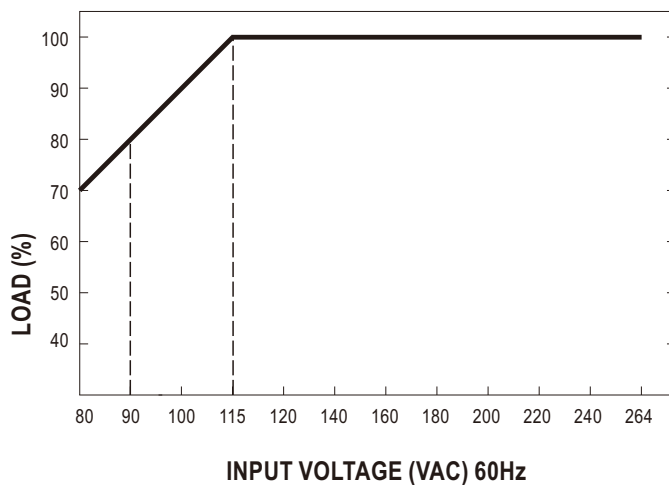
**SPECIFICATION**

|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                               |                                                                            |                                    |                                                                           |                                   |
|--------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------|-----------------------------------|
| SAFETY & EMC<br>(Note 7) | SAFETY STANDARDS     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IEC 60601-1:2005+A1+A2, IEC 62368-1 only for RPS-400(Blank),<br>TUV BS EN/ EN 60601-1:2006+A1+A2+A2,BS EN/EN 62368-1 only for RPS-400(Blank),<br>ANSI/AAMI ES60601-1:2005+A2,CAN/CSA C22.2 No. 60601-1:2014+A2,<br>UL 62368-1 only for RPS-400(Blank), EAC TP TC 004 approved;<br>Design refer to BS EN/EN60335-1(by request) |                                                                            |                                    |                                                                           |                                   |
|                          | ISOLATION LEVEL      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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°C / 70% RH                                                                                                                                                                                                                                                                            |                                                                            |                                    |                                                                           |                                   |
|                          | EMC EMISSION         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Parameter                                                                                                                                                                                                                                                                                                                     | Standard                                                                   |                                    | Test Level / Note                                                         |                                   |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Conducted emission                                                                                                                                                                                                                                                                                                            | BS EN/EN55011 (CISPR11),<br>BS EN/EN55032(CISPR32) only for RPS-400(Blank) |                                    | Class B(Please see last page note1)                                       |                                   |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Radiated emission                                                                                                                                                                                                                                                                                                             | BS EN/EN55011 (CISPR11),<br>BS EN/EN55032(CISPR32) only for RPS-400(Blank) |                                    | Class B(Please see last page note1)                                       |                                   |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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, BS EN/EN61204-3                                                                                                                                                                                                                                                                            |                                                                            |                                    |                                                                           |                                   |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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,<br>100% interruptions 250 periods |                                   |
| OTHERS                   | MTBF                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1393.3K hrs min. Telcordia SR-332 (Bellcore) ; 194.1K hrs min. MIL-HDBK-217F (25°C)                                                                                                                                                                                                                                           |                                                                            |                                    |                                                                           |                                   |
|                          | DIMENSION            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Type                                                                                                                                                                                                                                                                                                                          | RPS-400                                                                    | RPS-400-C                          | RPS-400-TF                                                                | RPS-400-SF                        |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L*W*H                                                                                                                                                                                                                                                                                                                         | 127*76.2*35mm<br>5"3"3"1.37"inch                                           | 130*86*43mm<br>5.11"3.39"1.69"inch | 130*86*58.5mm<br>5.11"3.39"2.30"inch                                      | 160*86*43mm<br>6.3"3.39"1.69"inch |
|                          | PACKING              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P.W.                                                                                                                                                                                                                                                                                                                          | 0.39Kg                                                                     | 0.51Kg                             | 0.58Kg                                                                    | 0.64Kg                            |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Q'TY                                                                                                                                                                                                                                                                                                                          | 36pcs                                                                      | 24pcs                              | 24pcs                                                                     | 24pcs                             |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | G.W.                                                                                                                                                                                                                                                                                                                          | 15Kg                                                                       | 13.2Kg                             | 14.9Kg                                                                    | 16.4Kg                            |
|                          |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M'MENT                                                                                                                                                                                                                                                                                                                        | 0.96CUFT                                                                   | 0.77CUFT                           | 0.86CUFT                                                                  | 0.91CUFT                          |
| 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 0.1μf & 47μf 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°C/1000m with fanless models and of 5°C/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 Class I (with FG) EMC tests are executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The ClassII (without FG) EMC tests are executed by mounting the unit on a 130mm*86.6mm 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

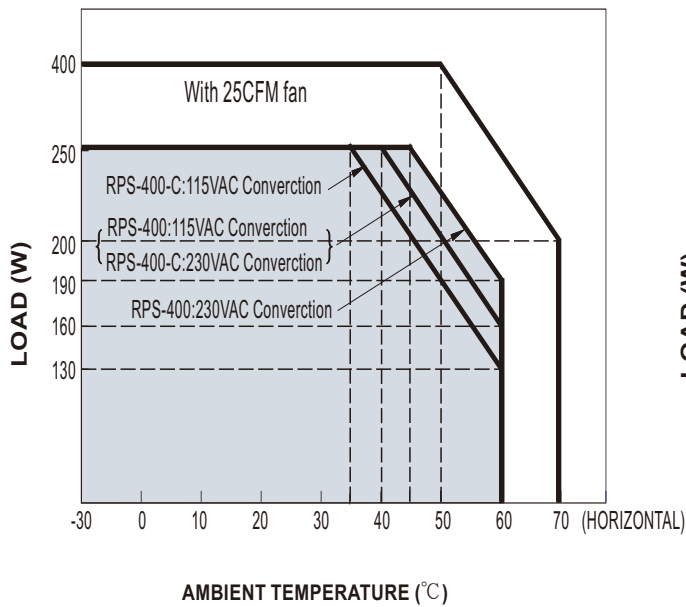


## Output Derating vs Input Voltage

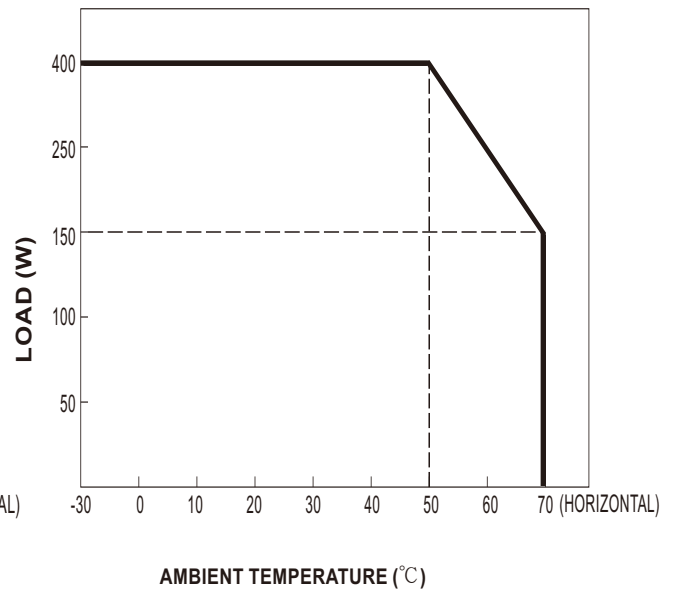


## Derating Curve

### ○ RPS-400 & RPS-400-C



### ○ RPS-400-TF/SF

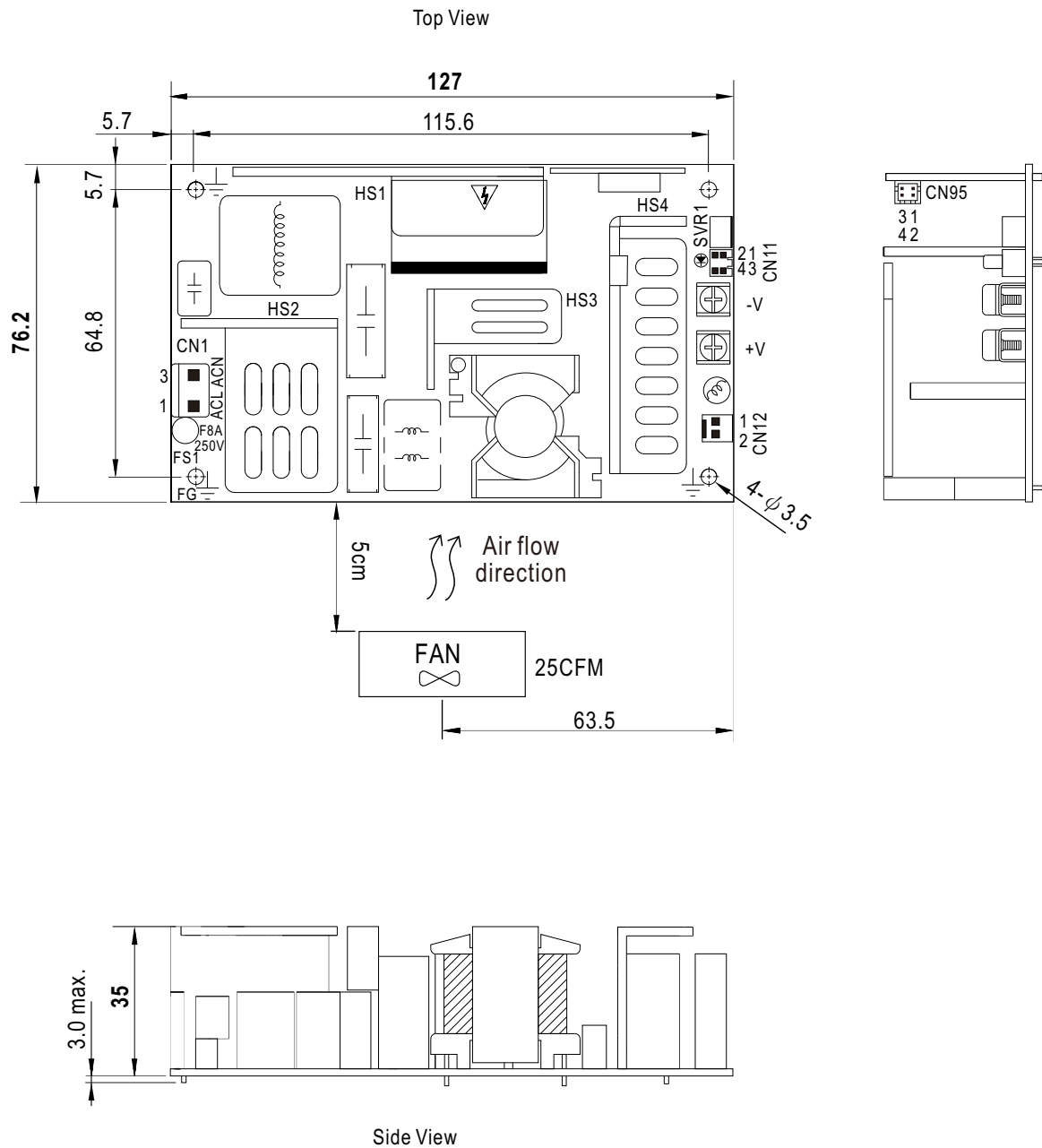


| Order No.  | RPS-400                                                                             | RPS-400-C                                                                           | RPS-400-TF                                                                           | RPS-400-SF                                                                            |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Products   |  |  |  |  |
| Convection | 250W                                                                                | 250W                                                                                | ---                                                                                  | ---                                                                                   |
| Force Air  | 400W                                                                                | 400W                                                                                | 400W                                                                                 | 400W                                                                                  |

## ■ Mechanical Specification

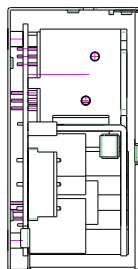
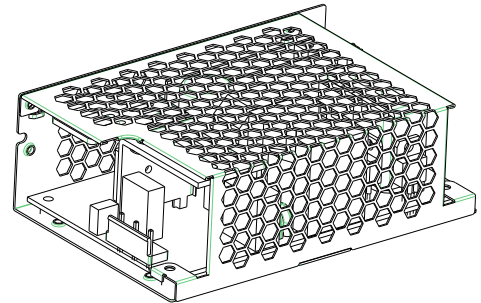
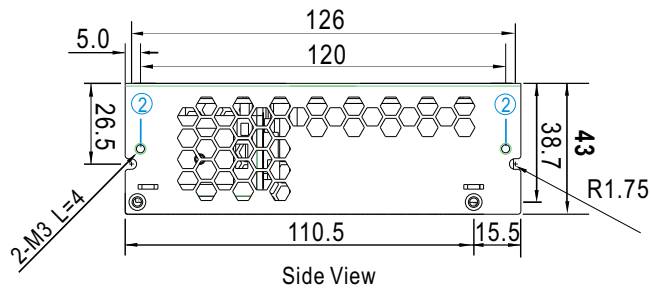
(Unit: mm, tolerance  $\pm 1$ mm)

### ● RPS-400 (PCB Type)

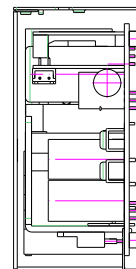
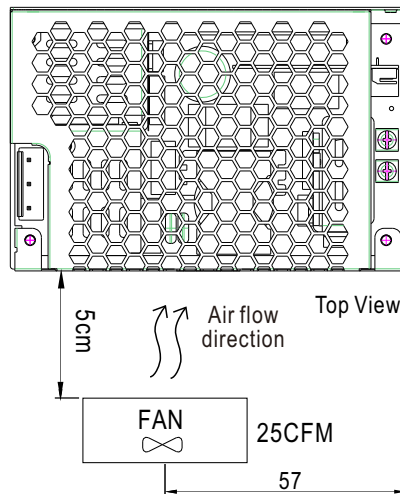


● RPS-400-C (Enclosed type)

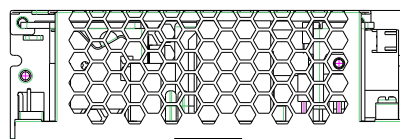
Case No. 247A



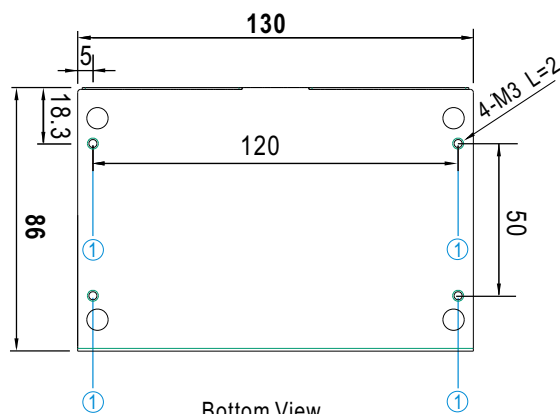
Side View



Side View

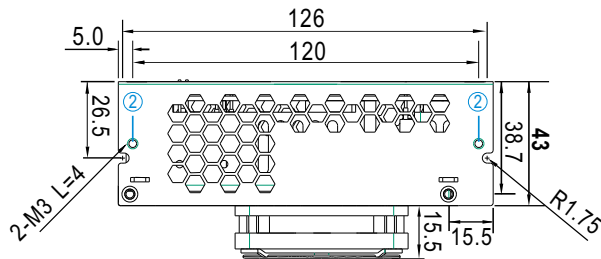


Side View

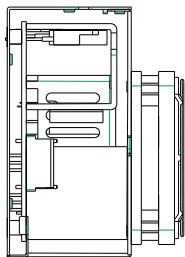
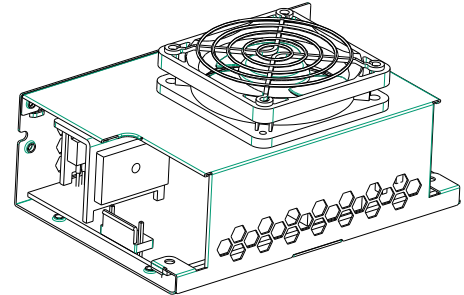


● RPS-400-TF (Enclosed type with fan on the top)

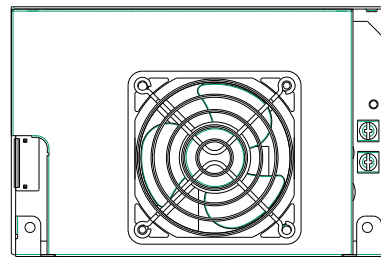
Case No. 247A-D 247B-T



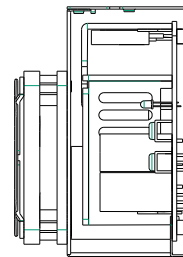
Side View



Side View



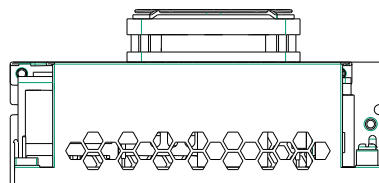
Top View



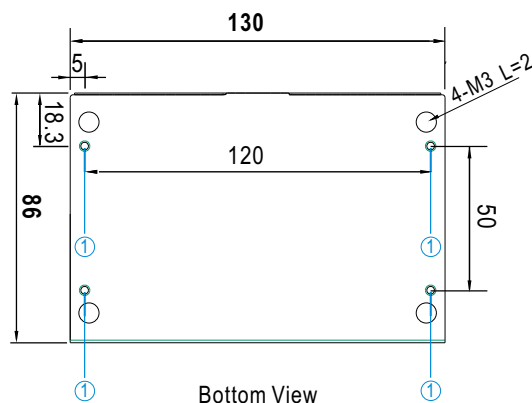
Side View



Air flow  
direction



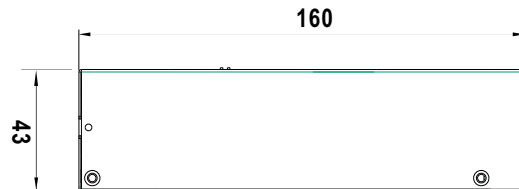
Side View



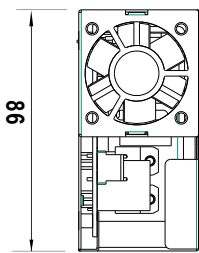
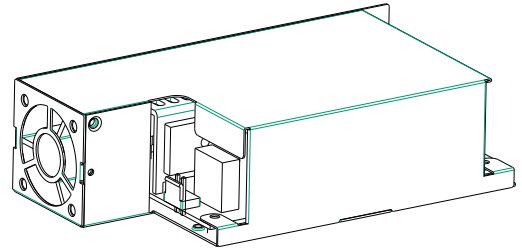
Bottom View

● RPS-400-SF (Enclosed type with fan on the side)

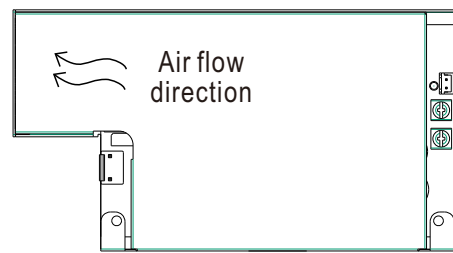
Case No. 248A



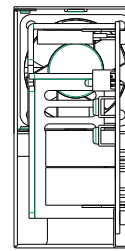
Side View



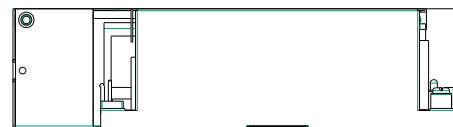
Side View



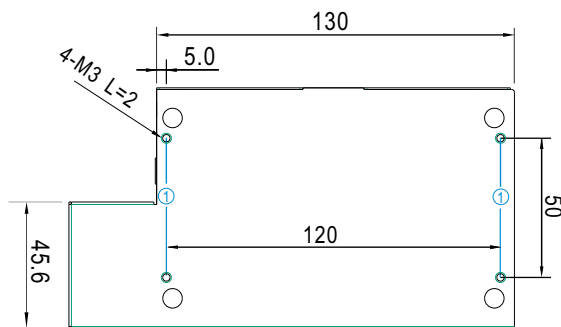
Top View



Side View



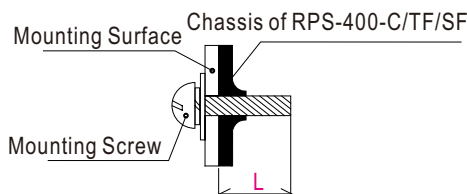
Side View



Bottom View

### ※ Mounting Instruction for -C/-TF/-SF Type

| Hole No. | Recommended Screw Size | MAX. Penetration Depth $L$ | Recommended mounting torque |
|----------|------------------------|----------------------------|-----------------------------|
| ①        | M3                     | 2mm                        | 4~6Kgf-cm                   |
| ②        | M3                     | 4mm                        | 4~6Kgf-cm                   |



### ※ CONNECTION

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

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

Function Connector(CN11): TKP DH2I-2X2 or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal          |
|---------|------------|-----------------------|-------------------|
| 1       | -S         | TKP DH2 or equivalent | TKP or equivalent |
| 2       | +S         |                       |                   |
| 3       | DC COM     |                       |                   |
| 4       | PG         |                       |                   |

DC Output Connector (CN2,CN3)

| Pin No. | Assignment | Output Terminals                                                  |
|---------|------------|-------------------------------------------------------------------|
| CN2     | -V         | M3.5 Pan HD screw in 2 positions<br>Torque to 8 lbs-in(90cNm)max. |
| CN3     | +V         |                                                                   |

Function Connector(CN95): TKP DH2L-2X2 or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal          |
|---------|------------|-----------------------|-------------------|
| 1       | 5Vsb       | TKP DH2 or equivalent | TKP or equivalent |
| 2,4     | DC COM     |                       |                   |
| 3       | PS-ON      |                       |                   |

⚠ HS1,HS2,HS3,HS4 can not be shorted

FAN Connector(CN12) : TKP 8812-2 or equivalent  
(Except for RPS-400-TF/SF)

| Pin No. | Assignment | Mating Housing         | Terminal               |
|---------|------------|------------------------|------------------------|
| 1       | DC COM     | TKP 2502 or equivalent | TKP 8811 or equivalent |
| 2       | +12V       |                        |                        |

- ※ Note: 1. When the input voltage is 230VAC, the PCB type (Blank-Type) model delivers EMI Class B for both conducted emission and radiated emission for the power supply; When the input voltage is 110VAC, the PCB type (Blank Type) model delivers EMI Class B for conducted emission and Class A for radiated emission for the power supply. It delivers Class A for conducted emission and radiated emission, when configured into Class II (no FG) system.
2. The enclosed type (-C/TF/SF type) models are not suitable for configuration within a Class II (without FG) system, but suggested within a Class I (with FG) system.
3. Mounting Instruction for enclosed type.

### ■ Installation Manual

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

 [www.simpex.ch](http://www.simpex.ch)

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