



Наличие и актуальные цены на

**S-320-48**

<https://www.mean-well.ru/store/S-320-48/>



## ■ Features :

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- Cooling Fan ON-OFF auto control
- 100% full load burn-in test
- Fixed switching frequency at 90KHz
- 2 years warranty

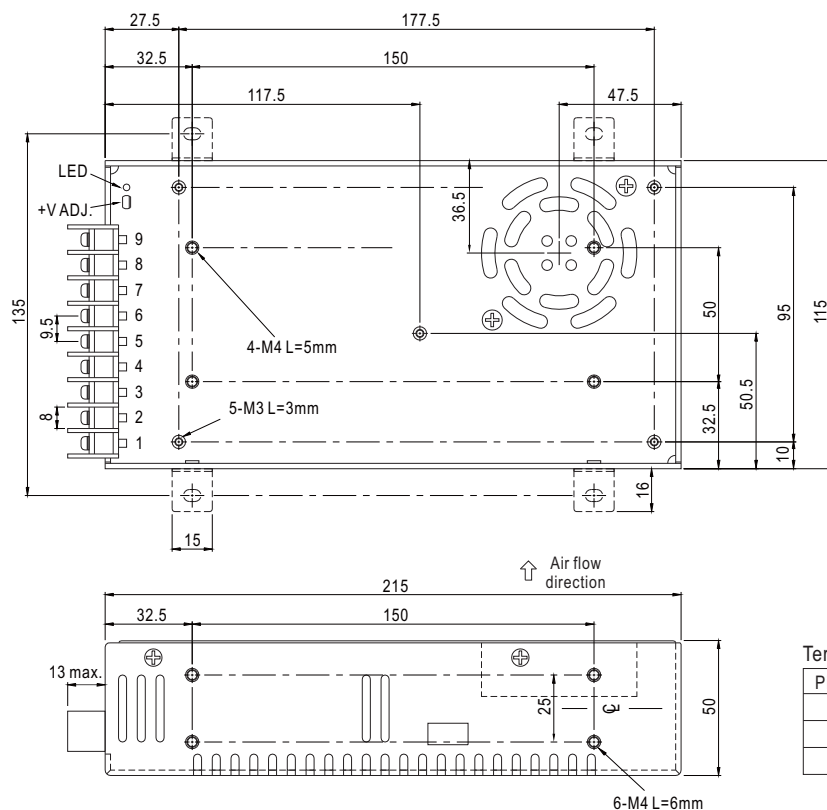


## SPECIFICATION

| MODEL       |                              | S-320-5                                                                                                                                                                                                                                                                                                                                          | S-320-7.5   | S-320-12     | S-320-13.5   | S-320-15   | S-320-24     | S-320-27     | S-320-48     |
|-------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|------------|--------------|--------------|--------------|
| OUTPUT      | DC VOLTAGE                   | 5V                                                                                                                                                                                                                                                                                                                                               | 7.5V        | 12V          | 13.5V        | 15V        | 24V          | 27V          | 48V          |
|             | RATED CURRENT                | 50A                                                                                                                                                                                                                                                                                                                                              | 36A         | 25A          | 22A          | 20A        | 12.5A        | 11A          | 6.5A         |
|             | CURRENT RANGE                | 0 ~ 50A                                                                                                                                                                                                                                                                                                                                          | 0 ~ 36A     | 0 ~ 25A      | 0 ~ 22A      | 0 ~ 20A    | 0 ~ 12.5A    | 0 ~ 11A      | 0 ~ 6.5A     |
|             | RATED POWER                  | 250W                                                                                                                                                                                                                                                                                                                                             | 270W        | 300W         | 297W         | 300W       | 300W         | 297W         | 312W         |
|             | RIPPLE & NOISE (max.) Note.2 | 150mVp-p                                                                                                                                                                                                                                                                                                                                         | 150mVp-p    | 150mVp-p     | 150mVp-p     | 150mVp-p   | 150mVp-p     | 200mVp-p     | 240mVp-p     |
|             | VOLTAGE ADJ. RANGE           | 4.5 ~ 5.7V                                                                                                                                                                                                                                                                                                                                       | 6 ~ 9V      | 10 ~ 13.2V   | 12 ~ 15V     | 13.5 ~ 18V | 20 ~ 26.4V   | 26 ~ 32V     | 41 ~ 56V     |
|             | VOLTAGE TOLERANCE Note.3     | ±2.0%                                                                                                                                                                                                                                                                                                                                            | ±2.0%       | ±1.0%        | ±1.0%        | ±1.0%      | ±1.0%        | ±1.0%        | ±1.0%        |
|             | LINE REGULATION              | ±0.5%                                                                                                                                                                                                                                                                                                                                            | ±0.5%       | ±0.5%        | ±0.5%        | ±0.5%      | ±0.5%        | ±0.5%        | ±0.5%        |
|             | LOAD REGULATION              | ±1.0%                                                                                                                                                                                                                                                                                                                                            | ±1.0%       | ±0.5%        | ±0.5%        | ±0.5%      | ±0.5%        | ±0.5%        | ±0.5%        |
|             | SETUP, RISE TIME             | 2000ms, 20ms at full load                                                                                                                                                                                                                                                                                                                        |             |              |              |            |              |              |              |
|             | HOLD UP TIME (Typ.)          | 24ms at full load                                                                                                                                                                                                                                                                                                                                |             |              |              |            |              |              |              |
| INPUT       | VOLTAGE RANGE                | 88 ~ 132VAC / 176~264VAC by switch      248 ~ 370VDC                                                                                                                                                                                                                                                                                             |             |              |              |            |              |              |              |
|             | FREQUENCY RANGE              | 47 ~ 63Hz                                                                                                                                                                                                                                                                                                                                        |             |              |              |            |              |              |              |
|             | EFFICIENCY(Typ.)             | 77%                                                                                                                                                                                                                                                                                                                                              | 80%         | 82%          | 83%          | 84%        | 86%          | 86%          | 87%          |
|             | AC CURRENT (Typ.)            | 6A/115VAC      3.5A/230VAC                                                                                                                                                                                                                                                                                                                       |             |              |              |            |              |              |              |
|             | INRUSH CURRENT (Typ.)        | 18A/115VAC      36A/230VAC                                                                                                                                                                                                                                                                                                                       |             |              |              |            |              |              |              |
|             | LEAKAGE CURRENT              | <3.5mA / 240VAC                                                                                                                                                                                                                                                                                                                                  |             |              |              |            |              |              |              |
| PROTECTION  | OVERLOAD                     | 105 ~ 135% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                          |             |              |              |            |              |              |              |
|             | OVER VOLTAGE                 | 5.75 ~ 6.75V                                                                                                                                                                                                                                                                                                                                     | 9.4 ~ 10.9V | 13.8 ~ 16.2V | 15.5 ~ 18.2V | 18 ~ 21V   | 27.6 ~ 32.4V | 33.7 ~ 39.2V | 57.6 ~ 67.2V |
|             | FAN CONTROL O.T.P.           | Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                                                                             |             |              |              |            |              |              |              |
| ENVIRONMENT | WORKING TEMP.                | -10 ~ +60℃ (Refer to "Derating Curve")                                                                                                                                                                                                                                                                                                           |             |              |              |            |              |              |              |
|             | WORKING HUMIDITY             | 20 ~ 90% RH non-condensing                                                                                                                                                                                                                                                                                                                       |             |              |              |            |              |              |              |
|             | STORAGE TEMP., HUMIDITY      | -20 ~ +85℃, 10 ~ 95% RH                                                                                                                                                                                                                                                                                                                          |             |              |              |            |              |              |              |
|             | TEMP. COEFFICIENT            | ±0.03%/℃ (0 ~ 50℃)                                                                                                                                                                                                                                                                                                                               |             |              |              |            |              |              |              |
| SAFETY      | VIBRATION                    | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                                                                                                                                                                                                          |             |              |              |            |              |              |              |
|             | SAFETY STANDARDS             | UL60950-1 approved                                                                                                                                                                                                                                                                                                                               |             |              |              |            |              |              |              |
|             | WITHSTAND VOLTAGE            | I/P-O/P:3KVAC    I/P-FG:2KVAC    O/P-FG:0.5KVAC                                                                                                                                                                                                                                                                                                  |             |              |              |            |              |              |              |
| OTHERS      | ISOLATION RESISTANCE         | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                                                                                                                                                                                                        |             |              |              |            |              |              |              |
|             | MTBF                         | 188.7K hrs min.    MIL-HDBK-217F (25℃)                                                                                                                                                                                                                                                                                                           |             |              |              |            |              |              |              |
|             | DIMENSION                    | 215*115*50mm (L*W*H)                                                                                                                                                                                                                                                                                                                             |             |              |              |            |              |              |              |
| NOTE        | PACKING                      | 1.08Kg; 12pcs/13.8Kg/0.92CUFT                                                                                                                                                                                                                                                                                                                    |             |              |              |            |              |              |              |
|             |                              | 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 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |             |              |              |            |              |              |              |

## Mechanical Specification

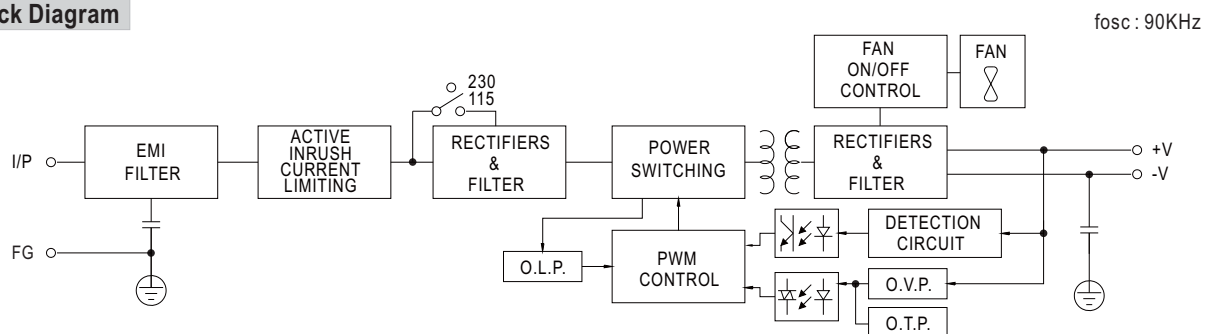
Case No. 912A Unit:mm



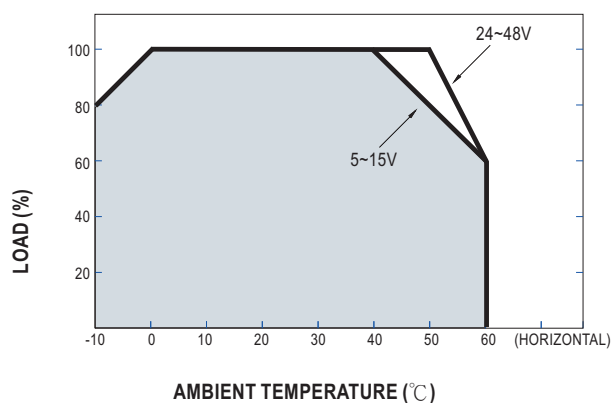
Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment   |
|---------|------------|---------|--------------|
| 1       | AC/L       | 4~6     | DC OUTPUT -V |
| 2       | AC/N       | 7~9     | DC OUTPUT +V |
| 3       | FG $\perp$ |         |              |

## Block Diagram



## Derating Curve



## Static Characteristics

