



Наличие и актуальные цены на

**S-350-24**

<https://www.mean-well.ru/store/S-350-24/>



## ■ Features :

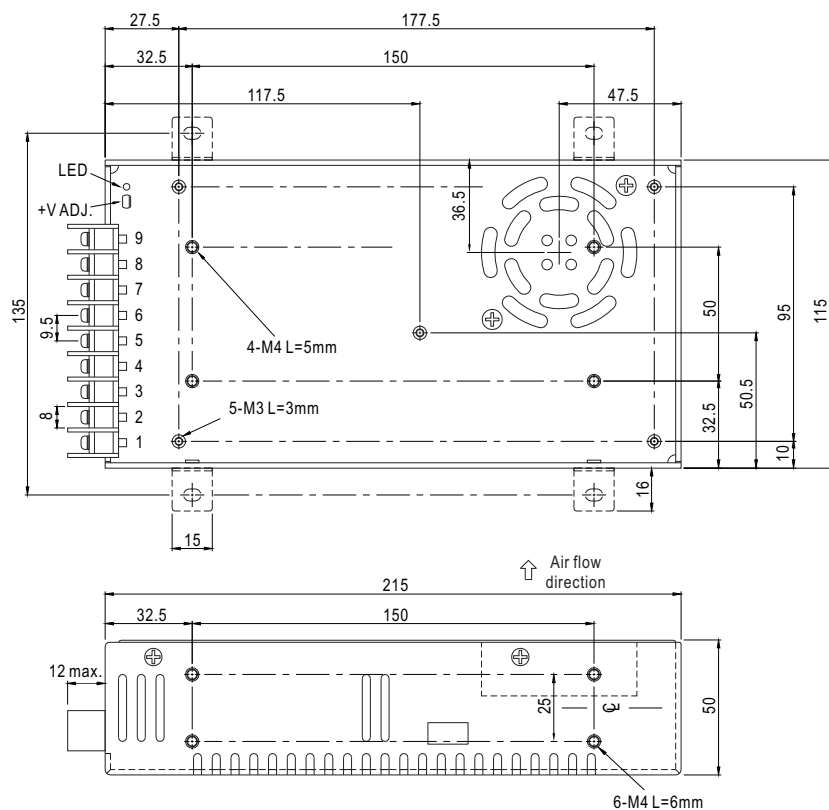
- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Forced air cooling by built-in DC fan
- PWM control and regulated
- Built-in cooling Fan ON-OFF control
- 100% full load burn-in test
- Fixed switching frequency at 25KHz
- Low cost
- 1 year warranty

## SPECIFICATION

| MODEL               |                                                                                                                                                                                                                                                                                                                                                  | S-350-5                                                                                                                               | S-350-7.5   | S-350-12     | S-350-13.5   | S-350-15   | S-350-24     | S-350-27     | S-350-36   | S-350-48     |  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--|
| OUTPUT              | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                       | 5V                                                                                                                                    | 7.5V        | 12V          | 13.5V        | 15V        | 24V          | 27V          | 36V        | 48V          |  |
|                     | RATED CURRENT                                                                                                                                                                                                                                                                                                                                    | 50A                                                                                                                                   | 40A         | 29A          | 25.8A        | 23.2A      | 14.6A        | 13A          | 9.7A       | 7.3A         |  |
|                     | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                    | 0 ~ 50A                                                                                                                               | 0 ~ 40A     | 0 ~ 29A      | 0 ~ 25.8A    | 0 ~ 23.2A  | 0 ~ 14.6A    | 0 ~ 13A      | 0 ~ 9.7A   | 0 ~ 7.3A     |  |
|                     | RATED POWER                                                                                                                                                                                                                                                                                                                                      | 250W                                                                                                                                  | 300W        | 348W         | 348.3W       | 348W       | 350.4W       | 351W         | 349.2W     | 350.4W       |  |
|                     | RIPPLE & NOISE (max.) <small>Note.2</small>                                                                                                                                                                                                                                                                                                      | 150mVp-p                                                                                                                              | 150mVp-p    | 150mVp-p     | 150mVp-p     | 150mVp-p   | 150mVp-p     | 200mVp-p     | 240mVp-p   | 240mVp-p     |  |
|                     | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                               | 4.5 ~ 5.6V                                                                                                                            | 6 ~ 9V      | 10 ~ 13.2V   | 12 ~ 15V     | 13.5 ~ 18V | 20 ~ 26.4V   | 26 ~ 32V     | 32~40V     | 41 ~ 56V     |  |
|                     | VOLTAGE TOLERANCE <small>Note.3</small>                                                                                                                                                                                                                                                                                                          | ± 2.0%                                                                                                                                | ± 2.0%      | ± 1.0%       | ± 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%     | ± 0.5%       |  |
|                     | LOAD REGULATION                                                                                                                                                                                                                                                                                                                                  | ± 1.0%                                                                                                                                | ± 1.0%      | ± 0.5%       | ± 0.5%       | ± 0.5%     | ± 0.5%       | ± 0.5%       | ± 0.5%     | ± 0.5%       |  |
|                     | SETUP, RISE TIME                                                                                                                                                                                                                                                                                                                                 | 200ms, 50ms at full load                                                                                                              |             |              |              |            |              |              |            |              |  |
| HOLD UP TIME (Typ.) | 20ms at full load                                                                                                                                                                                                                                                                                                                                |                                                                                                                                       |             |              |              |            |              |              |            |              |  |
| INPUT               | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                    | 90 ~ 132VAC / 180 ~ 264VAC by switch      254 ~ 370VDC                                                                                |             |              |              |            |              |              |            |              |  |
|                     | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                  | 47 ~ 63Hz                                                                                                                             |             |              |              |            |              |              |            |              |  |
|                     | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                | 73%                                                                                                                                   | 76%         | 74%          | 79%          | 78%        | 81%          | 82%          | 83%        | 83%          |  |
|                     | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                | 6.5A/115VAC      4A/230VAC                                                                                                            |             |              |              |            |              |              |            |              |  |
|                     | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                            | 50A/115VAC      50A/230VAC                                                                                                            |             |              |              |            |              |              |            |              |  |
|                     | LEAKAGE CURRENT                                                                                                                                                                                                                                                                                                                                  | <3.5mA / 240VAC                                                                                                                       |             |              |              |            |              |              |            |              |  |
| PROTECTION          | OVERLOAD                                                                                                                                                                                                                                                                                                                                         | 105 ~ 135% rated output power<br>Protection type : Constant current limiting, 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 | 40.5~46.5V | 57.6 ~ 67.2V |  |
|                     |                                                                                                                                                                                                                                                                                                                                                  | Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                |             |              |              |            |              |              |            |              |  |
| FUNCTION            | FAN ON/OFF CONTROL                                                                                                                                                                                                                                                                                                                               | RTH3≥50℃ FAN ON, ≤45℃ FAN OFF, ≥80℃ output shutdown (5 ~ 7.5V)<br>RTH3≥55℃ FAN ON, ≤50℃ FAN OFF, ≥85℃ output shutdown (12 ~ 48V)      |             |              |              |            |              |              |            |              |  |
| 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℃)                                                                                                                   |             |              |              |            |              |              |            |              |  |
|                     | VIBRATION                                                                                                                                                                                                                                                                                                                                        | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes                                                                          |             |              |              |            |              |              |            |              |  |
| SAFETY              | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                | I/P-O/P:1.5KVAC    I/P-FG:2KVAC    O/P-FG:0.5KVAC                                                                                     |             |              |              |            |              |              |            |              |  |
|                     | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                             | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH                                                                             |             |              |              |            |              |              |            |              |  |
| OTHERS              | MTBF                                                                                                                                                                                                                                                                                                                                             | 234.3K hrs min.    MIL-HDBK-217F (25℃)                                                                                                |             |              |              |            |              |              |            |              |  |
|                     | DIMENSION                                                                                                                                                                                                                                                                                                                                        | 215*115*50mm (L*W*H)                                                                                                                  |             |              |              |            |              |              |            |              |  |
|                     | PACKING                                                                                                                                                                                                                                                                                                                                          | 1.07Kg; 12pcs/13.5Kg/0.92CUFT                                                                                                         |             |              |              |            |              |              |            |              |  |
| 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 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |                                                                                                                                       |             |              |              |            |              |              |            |              |  |

## Mechanical Specification

Case No. 912C Unit:mm

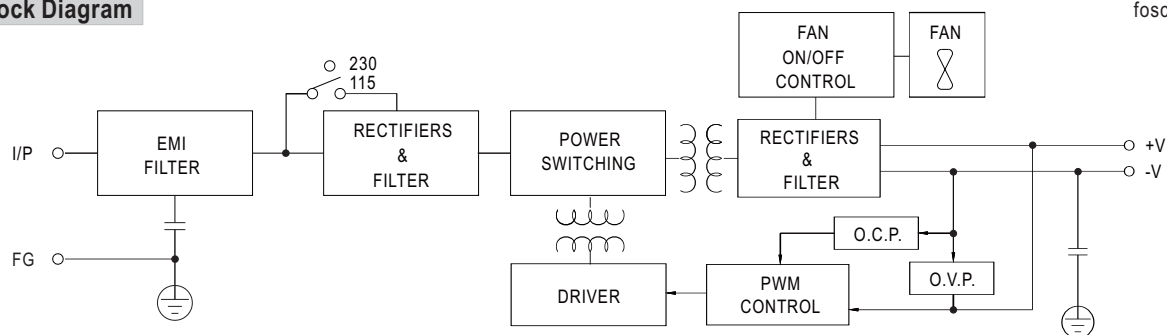


Terminal Pin No. Assignment

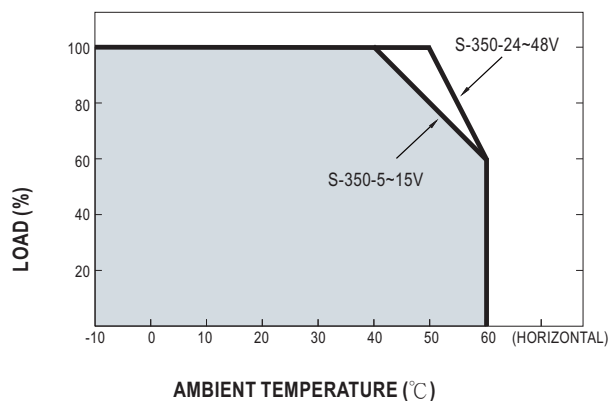
| Pin No. | Assignment | Pin No. | Assignment   |
|---------|------------|---------|--------------|
| 1       | AC/L       | 4~6     | DC OUTPUT -V |
| 2       | AC/N       | 7~9     | DC OUTPUT +V |
| 3       | FG $\perp$ |         |              |

## Block Diagram

fosc : 25KHz



## Derating Curve



## Static Characteristics (24V)

