



Наличие и актуальные цены на

**PS-35-24**

<https://www.mean-well.ru/store/PS-35-24/>



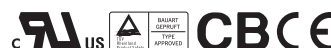
## ■ Features :

- Universal AC input/Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 60KHz
- 2 years warranty

User's Manual



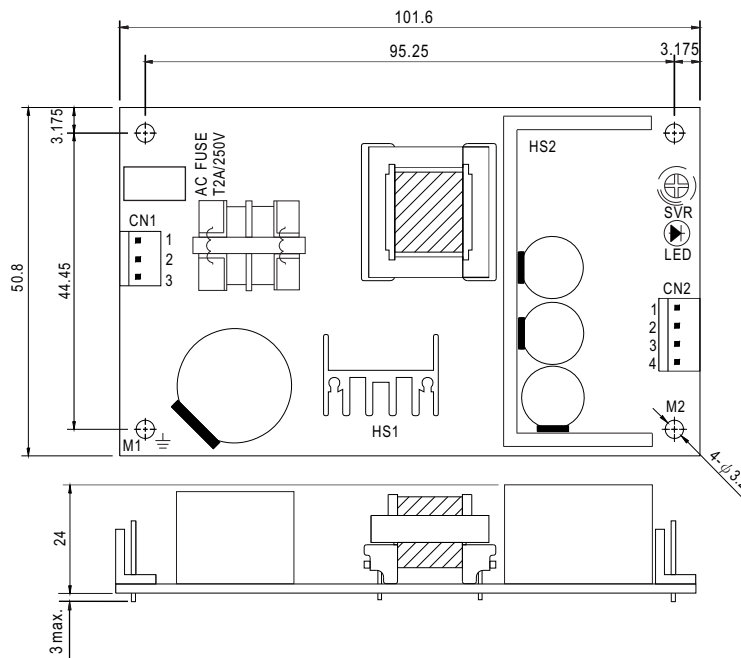
## SPECIFICATION



| MODEL                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-35-3.3                                                                                                                                                     | PS-35-5      | PS-35-7.5    | PS-35-12     | PS-35-13.5     | PS-35-15       | PS-35-24     | PS-35-48     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|----------------|----------------|--------------|--------------|
| OUTPUT                   | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.3V                                                                                                                                                          | 5V           | 7.5V         | 12V          | 13.5V          | 15V            | 24V          | 48V          |
|                          | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6A                                                                                                                                                            | 6A           | 4.7A         | 3A           | 2.6A           | 2.4A           | 1.5A         | 0.75A        |
|                          | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0 ~ 6A                                                                                                                                                        | 0 ~ 6A       | 0 ~ 4.7A     | 0 ~ 3A       | 0 ~ 2.6A       | 0 ~ 2.4A       | 0 ~ 1.5A     | 0 ~ 0.75A    |
|                          | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 19.8W                                                                                                                                                         | 30W          | 35.25W       | 36W          | 35.1W          | 36W            | 36W          | 36W          |
|                          | RIPPLE & NOISE (max.) Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 80mVp-p                                                                                                                                                       | 100mVp-p     | 100mVp-p     | 120mVp-p     | 120mVp-p       | 150mVp-p       | 200mVp-p     | 240mVp-p     |
|                          | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.14 ~ 3.63V                                                                                                                                                  | 4.75 ~ 5.5V  | 7.13 ~ 8.25V | 10.8 ~ 13.2V | 12.15 ~ 14.85V | 13.5 ~ 16.5V   | 21.6 ~ 26.4V | 43.2 ~ 52.8V |
|                          | VOLTAGE TOLERANCE Note.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ±2.0%                                                                                                                                                         | ±2.0%        | ±2.0%        | ±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%                                                                                                                                                           | ±1%          | ±1%          | ±0.5%        | ±0.5%          | ±0.5%          | ±0.5%        | ±0.5%        |
|                          | SETUP, RISE TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1200ms, 30ms/230VAC, 1200ms, 30ms/115VAC at full load                                                                                                         |              |              |              |                |                |              |              |
| HOLD TIME (Typ.)         | 50ms/230VAC, 10ms/115VAC at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                               |              |              |              |                |                |              |              |
| INPUT                    | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 90 ~ 264VAC      127 ~ 370VDC                                                                                                                                 |              |              |              |                |                |              |              |
|                          | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 47 ~ 440Hz                                                                                                                                                    |              |              |              |                |                |              |              |
|                          | EFFICIENCY(Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70%                                                                                                                                                           | 78%          | 80%          | 81%          | 81%            | 81%            | 85%          | 84%          |
|                          | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.75A/115VAC      0.5A/230VAC                                                                                                                                 |              |              |              |                |                |              |              |
|                          | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COLD START 23A/115VAC      45A/230VAC                                                                                                                         |              |              |              |                |                |              |              |
|                          | LEAKAGE CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <2mA / 240VAC                                                                                                                                                 |              |              |              |                |                |              |              |
| PROTECTION               | OVER LOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 105 ~ 150% rated output power (3.3V:105 ~ 160% rated output power)<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed. |              |              |              |                |                |              |              |
|                          | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3.8 ~ 4.95V                                                                                                                                                   | 5.75 ~ 6.75V | 8.63 ~ 10.5V | 13.8 ~ 16.2V | 15.5 ~ 18.2V   | 17.25 ~ 20.25V | 27.6 ~ 32.4V | 55.2 ~ 62.4V |
| ENVIRONMENT              | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -20 ~ +65℃ (Refer to output load derating curve)                                                                                                              |              |              |              |                |                |              |              |
|                          | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20 ~ 90% RH non-condensing                                                                                                                                    |              |              |              |                |                |              |              |
|                          | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -20 ~ +85℃, 10 ~ 95% RH                                                                                                                                       |              |              |              |                |                |              |              |
|                          | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ±0.05%/℃ (0 ~ 50℃)                                                                                                                                            |              |              |              |                |                |              |              |
|                          | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes                                                                                        |              |              |              |                |                |              |              |
| SAFETY & EMC<br>(Note 4) | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UL60950-1, TUV EN60950-1 Approved                                                                                                                             |              |              |              |                |                |              |              |
|                          | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I/P-O/P:3KVAC    I/P-FG:2.0KVAC    O/P-FG:0.5KVAC                                                                                                             |              |              |              |                |                |              |              |
|                          | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC                                                                                                                      |              |              |              |                |                |              |              |
|                          | EMI CONDUCTION & RADIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliance to EN55032 (CISPR32) Class B                                                                                                                       |              |              |              |                |                |              |              |
|                          | HARMONIC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Compliance to EN61000-3-2,-3                                                                                                                                  |              |              |              |                |                |              |              |
|                          | EMS IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A                                                                   |              |              |              |                |                |              |              |
| OTHERS                   | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 588.8Khrs                                                                                                                                                     |              |              |              |                |                |              |              |
|                          | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 101.6*50.8*24mm (L*W*H)                                                                                                                                       |              |              |              |                |                |              |              |
|                          | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.124Kg;96PCS/12.9Kg/0.8CUFT                                                                                                                                  |              |              |              |                |                |              |              |
| 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.<br>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. |                                                                                                                                                               |              |              |              |                |                |              |              |

## Mechanical Specification

Unit:mm



- 1.HS1,HS2 cannot be shorted.
- 2.M1 is safety ground. For better EMC performance, Please secure an electrical connection between M1,M2 and chassis grounding.

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

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

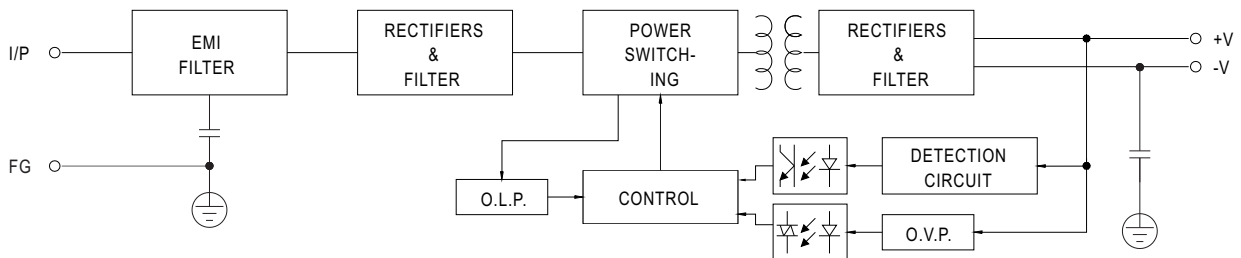
DC Output Connector (CN2) : JST B4P-VH-B or equivalent

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

⏏ : Grounding Required

## Block Diagram

fosc : 60KHz



## Derating Curve

## Output Derating VS Input Voltage

