



Наличие и актуальные цены на

**EPS-35-24**

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



# 35W Single Output Switching Power Supply

# EPS-35 series



### ■ Features :

- Universal AC input / Full range
- High efficiency up to 90%
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 3"x2" compact size
- LED indicator for power on
- No load power consumption < 0.3W
- 3 years warranty



### ■ GTIN CODE

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

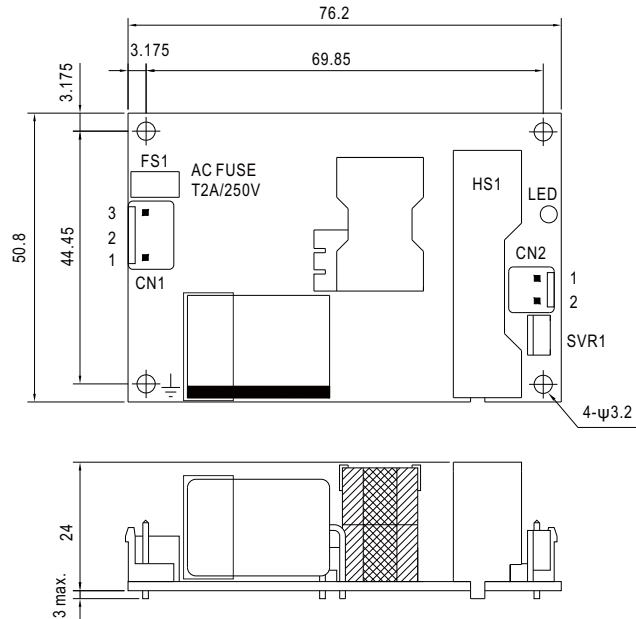


### SPECIFICATION

| MODEL                                | EPS-35-3.3   | EPS-35-5  | EPS-35-7.5  | EPS-35-12    | EPS-35-15    | EPS-35-24      | EPS-35-27    | EPS-35-36      | EPS-35-48    |              |
|--------------------------------------|--|---|-------------|--------------|--------------|----------------|--------------|----------------|--------------|--------------|
| OUTPUT                               | DC VOLTAGE   | 3.3V  | 5V          | 7.5V         | 12V          | 15V            | 24V          | 27V            | 36V          | 48V          |
|                                      | RATED CURRENT  | 6A  | 6A          | 4.7A         | 3A           | 2.4A           | 1.5A         | 1.3A           | 1A           | 0.75A        |
|                                      | CURRENT RANGE  | 0 ~ 6.6A  | 0 ~ 6.6A    | 0 ~ 5.2A     | 0 ~ 3.3A     | 0 ~ 2.65A      | 0 ~ 1.65A    | 0 ~ 1.45A      | 0 ~ 1.1A     | 0 ~ 0.82A    |
|                                      | RATED POWER  | 19.8W   | 30W         | 35.25W       | 36W          | 36W            | 36W          | 35.1W          | 36W          | 36W          |
|                                      | PEAK LOAD(10sec.) <small>Note.6</small>  | 21.78W  | 33W         | 39W          | 39.6W        | 39.75W         | 39.6W        | 39.15W         | 39.6W        | 39.36W       |
|                                      | RIPPLE & NOISE (max.) <small>Note.2</small>  | 60mVp-p   | 70mVp-p     | 80mVp-p      | 100mVp-p     | 100mVp-p       | 180mVp-p     | 180mVp-p       | 200mVp-p     | 240mVp-p     |
|                                      | VOLTAGE ADJ. RANGE   | 3.1 ~ 3.6V  | 4.75 ~ 5.5V | 7.13 ~ 8.25V | 10.8 ~ 13.5V | 13.5 ~ 16.5V   | 21.6 ~ 27V   | 24.3 ~ 29.7V   | 32.4 ~ 39.6V | 43.2 ~ 52.8V |
|                                      | VOLTAGE TOLERANCE <small>Note.3</small>  | ±2.5%   | ±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%        | ±0.5%        |
|                                      | LOAD REGULATION  | ±1.5%   | ±1.0%       | ±1.0%        | ±0.5%        | ±0.5%          | ±0.5%        | ±0.5%          | ±0.5%        | ±0.5%        |
| SETUP, RISE TIME                     | 1000ms, 30ms/230VAC      1000ms, 30ms/115VAC at full load  |   |             |              |              |                |              |                |              |              |
| HOLD UP TIME (Typ.)                  | 50ms/230VAC      16ms/115VAC at full load  |   |             |              |              |                |              |                |              |              |
| INPUT                                | VOLTAGE RANGE <small>Note.5</small>  | 85 ~ 264VAC   |             | 120 ~ 370VDC |              |                |              |                |              |              |
|                                      | FREQUENCY RANGE  | 47 ~ 63Hz   |             |              |              |                |              |                |              |              |
|                                      | EFFICIENCY (Typ.)  | 80%   | 82%         | 84%          | 87%          | 88%            | 89%          | 89%            | 89%          | 90%          |
|                                      | AC CURRENT (Typ.)  | 0.75A/115VAC  |             | 0.5A/230VAC  |              |                |              |                |              |              |
|                                      | INRUSH CURRENT (Typ.)  | COLD START 40A/230VAC   |             |              |              |                |              |                |              |              |
| LEAKAGE CURRENT                      | <1mA/240VAC  |   |             |              |              |                |              |                |              |              |
| PROTECTION                           | OVER LOAD  | 115 ~ 170% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |             |              |              |                |              |                |              |              |
|                                      | OVER VOLTAGE   | 3.7 ~ 4.6V  | 5.6 ~ 6.75V | 8.63 ~ 10.5V | 14 ~ 17V     | 17.25 ~ 20.25V | 27.6 ~ 32.4V | 31.05 ~ 36.45V | 39.7 ~ 46.8V | 53.3 ~ 64.8V |
|                                      |  | Protection type : Shut down o/p voltage, re-power on to recover   |             |              |              |                |              |                |              |              |
| ENVIRONMENT                          | 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  |             |              |              |                |              |                |              |              |
|                                      | TEMP. COEFFICIENT  | ±0.03%/°C (0 ~ 50°C )   |             |              |              |                |              |                |              |              |
|                                      | OPERATING ALTITUDE <small>Note.8</small>   | 2000 meters   |             |              |              |                |              |                |              |              |
| SAFETY & EMC <small>(Note 4)</small> | SAFETY STANDARDS   | UL62368-1, TUV BS EN/EN62368-1, CCC GB4943.1, EAC TP TC 004 approved  |             |              |              |                |              |                |              |              |
|                                      | WITHSTAND VOLTAGE  | I/P-O/P:3KVAC 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°C / 70% RH  |             |              |              |                |              |                |              |              |
|                                      | EMC EMISSION   | Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, GB9254.1 Class B, GB17625 Class A, EAC TP TC 020   |             |              |              |                |              |                |              |              |
|                                      | EMC IMMUNITY   | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, heavy industry level, EAC TP TC 020                        |             |              |              |                |              |                |              |              |
| OTHERS                               | MTBF   | 3673.9K hrs min. Telcordia SR-332 (Bellcore) ; 649.2K hrs min. MIL-HDBK-217F (25°C)                                     |             |              |              |                |              |                |              |              |
|                                      | DIMENSION  | 76.2*50.8*24mm (L*W*H)  |             |              |              |                |              |                |              |              |
|                                      | PACKING  | 0.085Kg; 120pcs/11.2Kg/0.94CUFT   |             |              |              |                |              |                |              |              |
| NOTE                                 | <ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</li> <li>5. Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>6. 33% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power.</li> <li>7. EPS-35-24/27/36/48 without Hs1.</li> <li>8. 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).</li> </ol> <p>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a></p> |   |             |              |              |                |              |                |              |              |

■ Mechanical Specification

Unit:mm



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

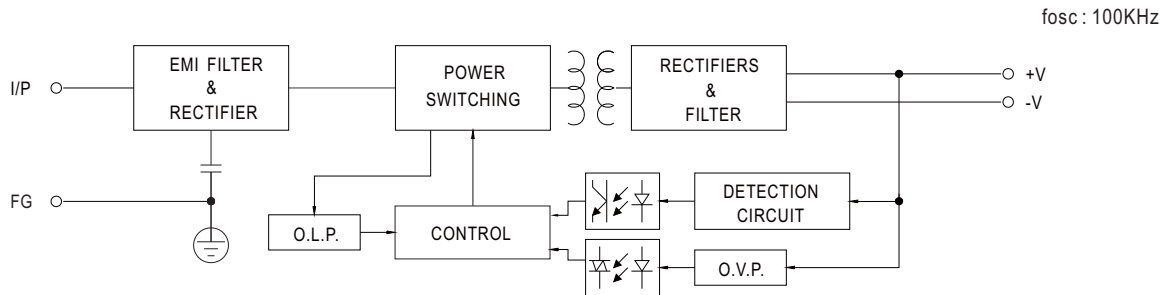
| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1       | AC/N       | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2       | No Pin     |                       |      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

DC Output Connector (CN2) : JST B2P-VH or equivalent

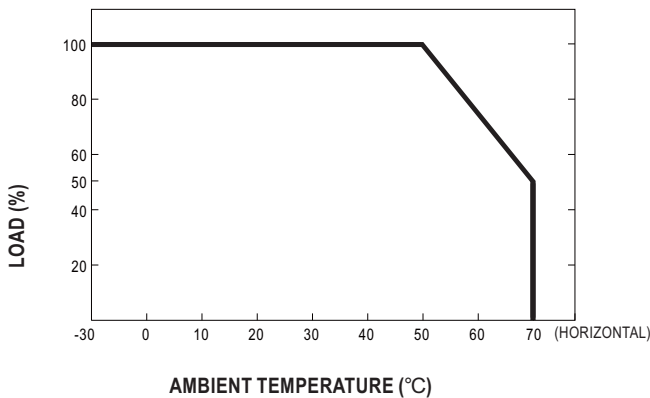
| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1       | -V         | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2       | +V         |                       |      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

⚠ HS1(Note.7) must have safety isolation distance with system case.  
 ⊥ : Grounding required

■ Block Diagram



■ Output Derating



■ Static Characteristics

