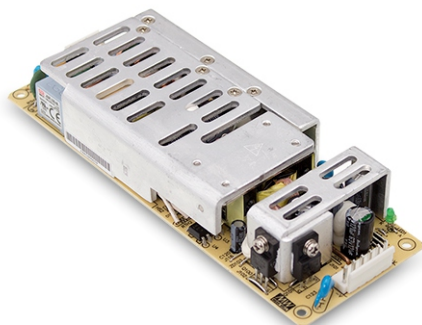




Наличие и актуальные цены на

**ASP-150-12**

<https://www.mean-well.ru/store/ASP-150-12/>



- Features :
- \*Universal AC input / Full range
- \*Built-in active PFC function, PF>0.95
- \*Protections: Short circuit / Overload / Over voltage / Over temperature
- \*Cooling by free air convection
- \*High power density 8.4w/in<sup>3</sup>
- \*100% full load burn-in test
- \*No load power consumption<1W@240VAC
- \*ZCS/ZVS technology to reduce power dissipation
- \*3 years warranty

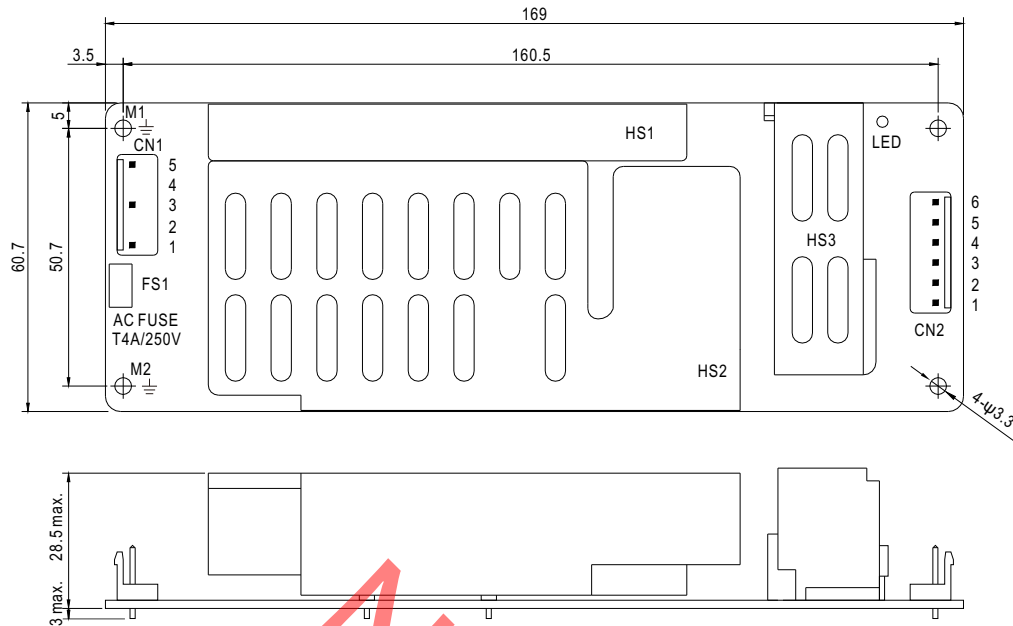


## SPECIFICATION

| MODEL                 |                              | ASP-150-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ASP-150-15    | ASP-150-20 | ASP-150-24   | ASP-150-48   |
|-----------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|--------------|--------------|
| OUTPUT                | DC VOLTAGE                   | 12V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15V           | 20V        | 24V          | 48V          |
|                       | RATED CURRENT                | 11A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9.5A          | 7.5A       | 6.3A         | 3.2A         |
|                       | CURRENT RANGE                | 0 ~ 11A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0 ~ 9.5A      | 0 ~ 7.5A   | 0 ~ 6.3A     | 0 ~ 3.2A     |
|                       | RATED POWER                  | 132W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 142.5W        | 150W       | 151.2W       | 153.6W       |
|                       | RIPPLE & NOISE (max.) Note.2 | 150mVp-p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 180mVp-p      | 200mVp-p   | 240mVp-p     | 240mVp-p     |
|                       | VOLTAGE ADJ. RANGE           | 11 ~ 13.2V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14 ~ 17V      | 17 ~ 22V   | 22 ~ 27V     | 45.6 ~ 52.8V |
|                       |                              | Fixed. Can be modified between the range above by factory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |            |              |              |
|                       | VOLTAGE TOLERANCE Note.3     | ±2.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±2.0%         | ±1.0%      | ±1.0%        | ±1.0%        |
|                       | LINE REGULATION              | ±0.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±0.5%         | ±0.5%      | ±0.5%        | ±0.5%        |
|                       | LOAD REGULATION              | ±1.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±1.0%         | ±0.5%      | ±0.5%        | ±0.5%        |
| INPUT                 | SETUP, RISE TIME             | 3000ms, 80ms at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |            |              |              |
|                       | HOLD UP TIME (Typ.)          | 50ms/230VAC 16ms/115VAC at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |            |              |              |
|                       | VOLTAGE RANGE                | 90 ~ 264VAC 127 ~ 370VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |            |              |              |
|                       | FREQUENCY RANGE              | 47 ~ 63Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |            |              |              |
|                       | POWER FACTOR (Typ.)          | PF≥0.95/230VAC PF≥0.98/115VAC at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |            |              |              |
|                       | EFFICIENCY (Typ.)            | 88%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 88%           | 90%        | 90%          | 89%          |
|                       | AC CURRENT (Typ.)            | 2A/115VAC 1A/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |            |              |              |
| PROTECTION            | INRUSH CURRENT (Typ.)        | COLD START 80A/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |            |              |              |
|                       | LEAKAGE CURRENT              | <2mA / 240VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |            |              |              |
|                       | OVERLOAD                     | 105 ~ 135% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |            |              |              |
|                       | OVER VOLTAGE                 | 13.7 ~ 16.2V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 17.5 ~ 20.25V | 22.5 ~ 28V | 27.5 ~ 32.4V | 53.3 ~ 64.8V |
| ENVIRONMENT           |                              | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |            |              |              |
|                       | OVER TEMPERATURE             | 90°C±10°C(RTH2) detect on heatsink of power transistor<br>Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |            |              |              |
|                       | WORKING TEMP.                | -20 ~ +60°C (Refer to "Derating Curve")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |            |              |              |
|                       | WORKING HUMIDITY             | 20 ~ 90% RH non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |            |              |              |
|                       | STORAGE TEMP., HUMIDITY      | -20 ~ +85°C, 10 ~ 95% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |            |              |              |
| SAFETY & EMC (Note 4) | TEMP. COEFFICIENT            | ±0.05%/°C (0 ~ 50°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |            |              |              |
|                       | VIBRATION                    | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |            |              |              |
|                       | SAFETY STANDARDS             | UL60950-1, CB(IEC60950-1) approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |            |              |              |
|                       | WITHSTAND VOLTAGE            | I/P-O/P:4.25KVDC 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 / 25°C/ 70% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |            |              |              |
| OTHERS                | EMC EMISSION                 | Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |            |              |              |
|                       | EMC IMMUNITY                 | Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |            |              |              |
|                       | MTBF                         | 149.3Khrs min. MIL-HDBK-217F (25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |            |              |              |
| NOTE                  | DIMENSION                    | 169*60.7*28.5mm (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |            |              |              |
|                       | PACKING                      | 0.32Kg; 48pcs/15.8Kg/0.79CUFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |            |              |              |
| NOTE                  |                              | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>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.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>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. 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>)</p> <p>5. Heat Sink HS1,HS3 &amp; HS2,HS3 can not be shorted.</p> |               |            |              |              |

## Mechanical Specification

Unit:mm



AC Input Connector (CN1) : JST B5P-VH or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1       | AC/L       | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2,4     | No Pin     |                       |                                |
| 3       | AC/N       |                       |                                |
| 5       | FG         |                       |                                |

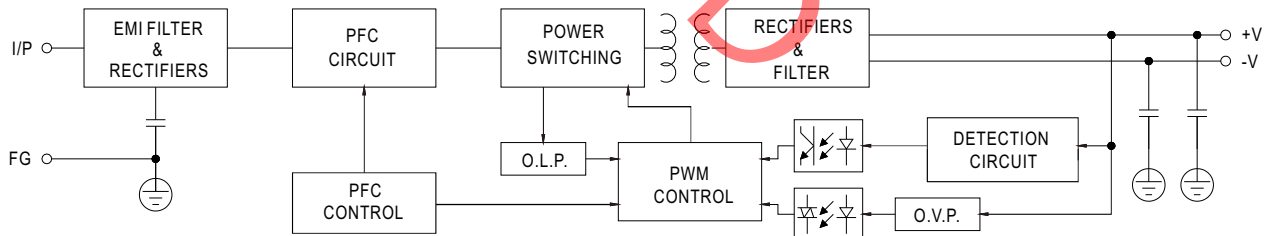
DC Output Connector (CN2) : JST B6P-VH or equivalent

| Pin No. | Assignment | Mating Housing        | Terminal                       |
|---------|------------|-----------------------|--------------------------------|
| 1,2,3   | -V         | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 4,5,6   | +V         |                       |                                |

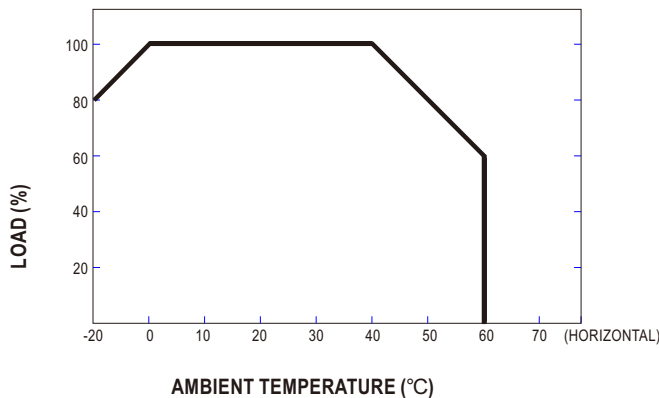
! HS1, HS3 &amp; HS2,HS3 cannot be shorted

⊥ : Grounding Required ;CN1:Pin5,M1 and M2 are Safety ground and should all be grounded.

## Block Diagram



## Derating Curve



## Output Derating VS Input Voltage

