



Наличие и актуальные цены на

**AS-120P-48**

<https://www.mean-well.ru/store/AS-120P-48/>



#### ■ Features :

- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- High power density 5w/in<sup>3</sup>
- Fully enclosed plastic case
- Approvals: UL / CUL / CB
- No load power consumption<0.5W
- Meet EISA 2007(Energy Independence and Security Act)
- ZCS/ZVS technology to reduce power dissipation
- 2 years warranty

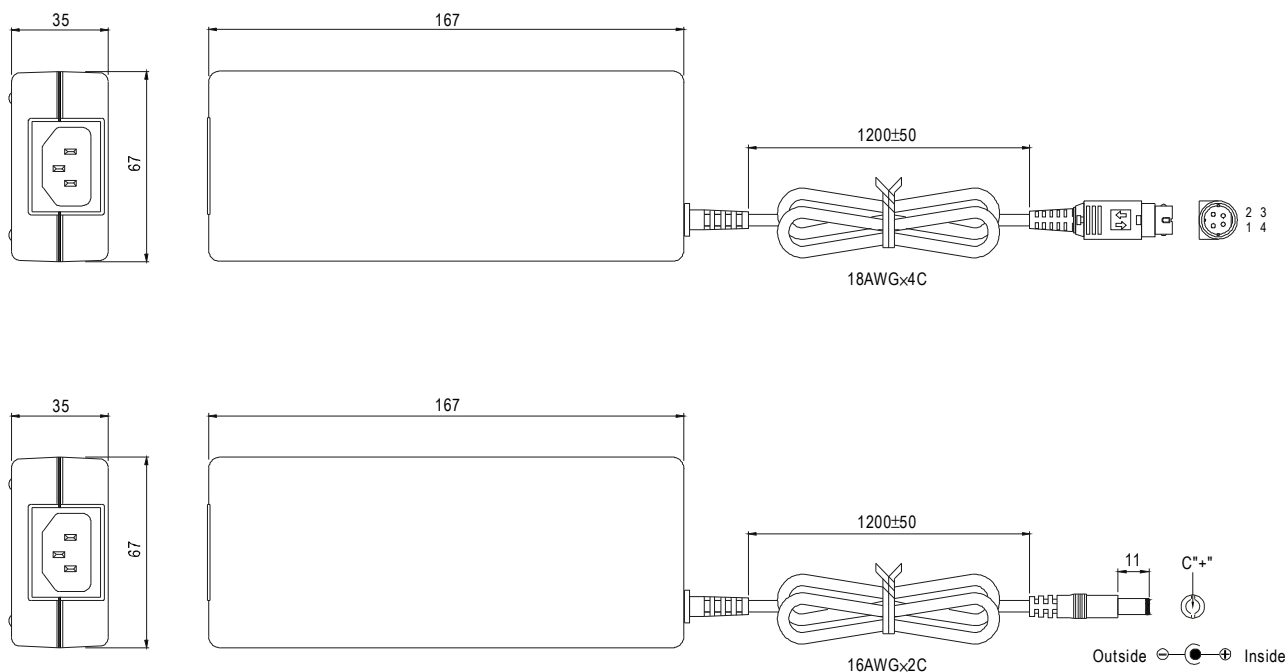


#### SPECIFICATION

| MODEL                     |                                             | AS-120P-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AS-120P-15  | AS-120P-20  | AS-120P-24  | AS-120P-48   |
|---------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|--------------|
| OUTPUT                    | ORDER NO.                                   | AS120P12R7B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AS120P15R7B | AS120P20P1M | AS120P24P1M | AS120P48P1M  |
|                           | DC VOLTAGE <small>Note.2</small>            | 12V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15V         | 20V         | 24V         | 48V          |
|                           | RATED CURRENT                               | 8.4A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6.7A        | 6A          | 5A          | 2.5A         |
|                           | CURRENT RANGE                               | 0~ 8.4A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 ~ 6.7A    | 0 ~ 6A      | 0 ~ 5A      | 0 ~ 2.5A     |
|                           | RATED POWER                                 | 100W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100W        | 120W        | 120W        | 120W         |
|                           | RIPPLE & NOISE (max.) <small>Note.3</small> | 100mVp-p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100mVp-p    | 200mVp-p    | 200mVp-p    | 240mVp-p     |
|                           | VOLTAGE TOLERANCE <small>Note.4</small>     | ±4.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±4.0%       | ±3.0%       | ±2.0%       | ±2.0%        |
|                           | LINE REGULATION <small>Note.5</small>       | ±1.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±1.0%       | ±1.0%       | ±1.0%       | ±1.0%        |
|                           | LOAD REGULATION <small>Note.6</small>       | ±3.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±3.0%       | ±2.5%       | ±2.0%       | ±2.0%        |
|                           | SETUP, RISE TIME                            | 4500ms, 80ms at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |             |             |              |
|                           | HOLD UP TIME (Typ.)                         | 50ms/230VAC 16ms/115VAC at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |             |             |              |
| INPUT                     | 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.)                           | 86%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 87.5%       | 89%         | 89%         | 89%          |
|                           | AC CURRENT (Typ.)                           | 1.4A/115VAC 0.7A/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |             |             |              |
|                           | INRUSH CURRENT (Typ.)                       | 120A/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |             |             |              |
|                           | LEAKAGE CURRENT (max.)                      | <1mA / 240VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |             |              |
| PROTECTION                | OVERLOAD                                    | 105 ~ 135% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |             |             |              |
|                           | OVER VOLTAGE                                | 14 ~ 16.8V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 17 ~ 21V    | 22.5 ~ 28V  | 27 ~ 33.6V  | 53.3 ~ 67.2V |
|                           |                                             | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |             |             |              |
|                           | OVER TEMPERATURE                            | 90℃ ±10℃ (RTH2) detect on heatsink of power transistor<br>Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |             |             |              |
| ENVIRONMENT               | WORKING TEMP.                               | 0 ~ + 50℃ (Refer to "Derating Curve")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |             |              |
|                           | WORKING HUMIDITY                            | 20% ~ 90% RH non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |             |             |              |
|                           | STORAGE TEMP., HUMIDITY                     | -20 ~ +85℃, 10 ~ 95% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |             |             |              |
|                           | TEMP. COEFFICIENT                           | ±0.03% / °C (0 ~ 50℃)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |             |              |
|                           | VIBRATION                                   | 10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |             |              |
| SAFETY & EMC<br>(Note. 7) | SAFETY STANDARDS                            | UL60950-1 approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |             |             |              |
|                           | WITHSTAND VOLTAGE                           | I/P-O/P:4.25KVDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |             |             |              |
|                           | ISOLATION RESISTANCE                        | I/P-O/P:100M Ohms / 25℃ / 70% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |             |             |              |
| OTHERS                    | LIFE                                        | Average life expectancy of 6 years (12 hours / day, 70% load, 115VAC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |             |              |
|                           | MTBF                                        | 308.9K hrs min. MIL-HDBK-217F (25℃)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |             |              |
|                           | DIMENSION                                   | 167*67*35mm (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |             |              |
|                           | PACKING                                     | 0.52Kg; 30pcs/16.6Kg/1.1CUFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |             |             |              |
| CONNECTOR                 | PLUG                                        | Standard type R7B,P1M: 2.5φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |             |             |              |
|                           | CABLE                                       | Standard type 120cm of SPT-1, 18Awg*4c for stock ; Other type available by customer requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |             |              |
| NOTE                      |                                             | 1. All parameters are specified at 230VAC input, rated load, 25℃ 70% RH. Ambient.<br>2. DC voltage: The output voltage set at point measure by plug terminal & 50% load.<br>3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.<br>4. Tolerance: includes set up tolerance, line regulation, load regulation.<br>5. Line regulation is measured from low line to high line at rated load.<br>6. Load regulation is measured from 0% to 100% rated load.<br>7. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. |             |             |             |              |

## Mechanical Specification

Case No.947A Unit:mm



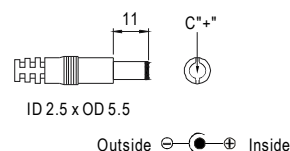
## Plug Assignment

Standard plug (For 12V, 15V only)

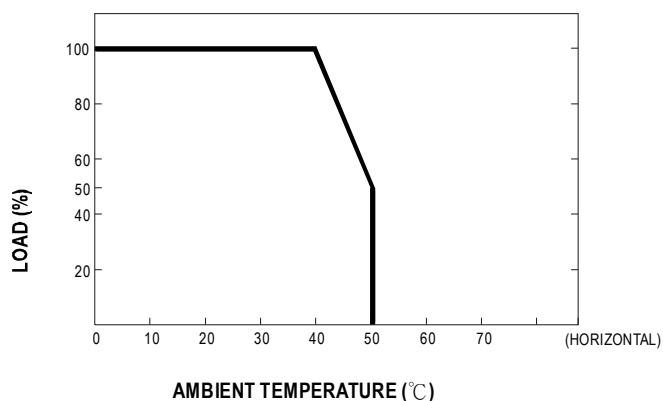
| R7B    |        |  |
|--------|--------|--|
| PIN NO | OUTPUT |  |
| 1,4    | +V     |  |
| 2,3    | -V     |  |

Standard plug (For 20V, 24V, 48V only)

| P1M    |        |
|--------|--------|
| P/N    | OUTPUT |
| CENTER | +      |



## Derating Curve



## Static Characteristics

