

OPEN FRAME POWER SUPPLY

60WATT



STONTRONICS: PS-60-5, PS-60-12, PS-60-15, PS-60-24, PS-60-48



Features:

- Universal Input
- High Efficiency
- 3 Year Warranty
- Efficiency Level VI

Description:

The 60W open frame power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. Each model is approved to CE, CB, UL and comes with a 3 year warranty.

| Specification | | | | | |
|----------------------------|---|--------------|--------------|--------------|------------|
| Part Number | PS-60-5 | PS-60-12 | PS-60-15 | PS-60-24 | PS-60-48 |
| DC Output | 5V | 12V | 15V | 24V | 48V |
| Output Current | 8A | 4.5A | 3.6A | 2.5A | 1.25A |
| Ripple & Noise | <50mV | <120mV | | | <240mV |
| Output Voltage Adj. Range | 4.5 - 5.5V | 11.2 - 13.4V | 13.8 - 16.5V | 22.2 - 27.9V | 45 - 53.2V |
| Line Regulation | +/-0.5% | | | | |
| Load Regulation | +/-2% | | | | |
| Hold up Time | >20mS (230Vac input, Full Load) | | | | |
| Temperature Coefficient | +/-0.03% | | | | |
| Overshoot and Undershoot | <5% | | | | |
| Input Voltage Range | 90Vac - 264Vac, 127Vdc - 370Vdc | | | | |
| Input Frequency Range | 47-63Hz | | | | |
| Input Efficiency | 79% | 83% | 84% | 87% | 85% |
| Input Current (Max) | <1.5A | | | | |
| Inrush Current | <30A@120Vac <60A@230Vac Cold Start | | | | |
| Leakage Current | <0.25mA | | | | |
| Over Load Protection | 105-180% of Rated Output Current, Hiccup Mode, Auto Recovery | | | | |
| Over Voltage Protection | 110-150% of Rated Output Voltage, Constant Voltage | | | | |
| Short Circuit Protection | Long Term Mode, Auto Recovery | | | | |
| Operating Temp & Hum. | -25°C - 70°C 20% - 90% | | | | |
| Storage Temp & Hum. | -40°C - 85°C 10% - 95% | | | | |
| Safety Standards | UL60950-1; EN60950-1; 2006 | | | | |
| Withstand Voltage | Primary - Secondary 3KVac | | | | |
| Isolation Resistance | >100M ohms | | | | |
| EMI Conduction & Radiation | Compliance to EN55022 (CISPR22) Class B | | | | |
| Harmonic Current | Compliance to EN61000-3-2,3 | | | | |
| EMS Immunity | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light Industry Level Criteria A | | | | |
| MTBF | >200000 Hours | | | | |
| Dimensions | 101.6mm x 50.8mm x 30mm | | | | |
| Cooling Method | Cooling by Free Air Convection | | | | |

STONTRONICS

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General Note

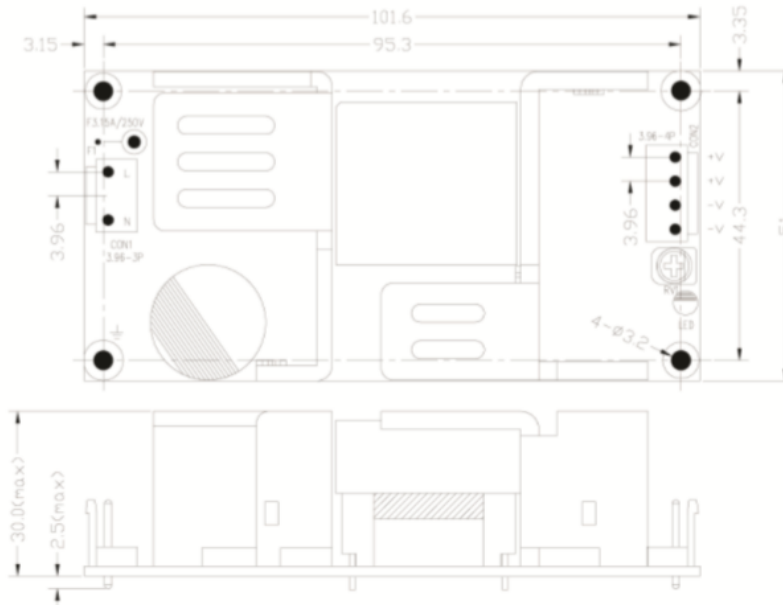
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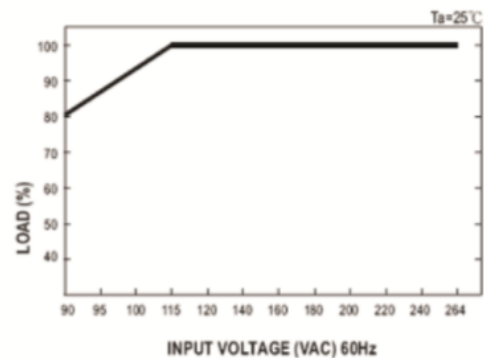
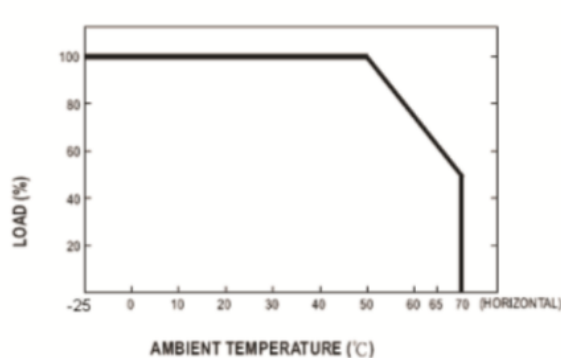
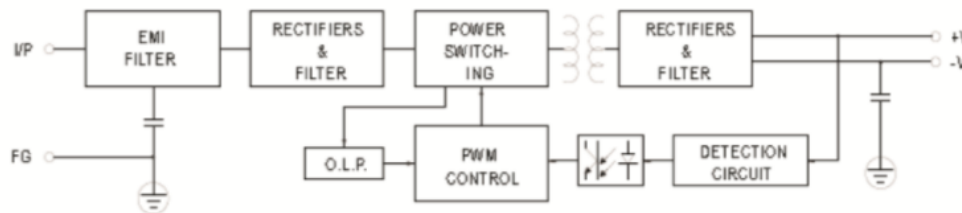


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Diagrams



| Item | Connectors | Mating Housing | Contacts |
|--------------|--|--|---|
| AC IN(CON1) | LANDWIN3961P0300T (Central Pin removed) | LANDWIN 3960S or JST VHR or Molex 51144 | LANDWIN 3963T011R or JST SVH-21T-P1.1 Or Molex 50539 |
| DC OUT(CON2) | LANDWIN 3961P0400T | | |



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