



Features:

- Universal Input 100 – 240 VAC
- IEC320-C14 Input Socket
- Power Factor Correction
- Over-Current Protection
- Over-Voltage Protection
- 100% Burn-In
- LED Indication
- Optional On/Off Switch
- CEC Efficiency Level: V



Input

| | |
|-------------------------------|---|
| Input Voltage | 90 to 264 VAC |
| Input Frequency | 47 to 63Hz |
| Input Current | 1.49A Max. at 115VAC, 0.75A Max. at 230VAC, Full Load |
| Power Factor Correction | 1.0 Max., Full Load |
| Safety Ground Leakage Current | 0.75mA Max. @ 240VAC, Full Load |

Output

| | |
|--------------------------|--|
| Output Voltage & Current | See Chart |
| Ripple & Noise (P-P) | 1% Max., Full Load @ 90VAC Input |
| Over-Voltage Protection | Set at 112 - 132% of Nominal Output Voltage |
| Over-Current Protection | Set at 110 - 150% of Nominal Output Current |
| Temperature Coefficient | ± 0.04% / °C Max. |
| Transient Response | Full Load to Half Load @ 100VAC Input: 4mS Max. |

Environmental

| | |
|-----------------------|---|
| Operating Temperature | 0°C to 70°C |
| Derating | Derated from 100% at +40°C to 50% at +70°C |
| Storage Temperature | -40°C to 85°C |
| Relative Humidity | 5% to 95% Non-Condensing |

Electrical

| | |
|----------------------------------|--|
| Efficiency | 88% Typical |
| Hold-Up Time | 20mS Min. |
| Line Regulation | ±1% Max. at Full Load |
| Load Regulation | ±5% Typ. at 230VAC |
| Inrush Current | 30A @ 115VAC Max. 50A @ 230VAC Max. at 25°C Cold Start |
| Withstanding Voltage | 4242 VDC from Input to Output, 2121 VDC from Input to Ground |
| Insulation Resistance | 50 MΩ Min. from Output to Ground |
| Mean Time Between Failure (MTBF) | 100,000 Hours Min., Full Load at 25°C Ambient |

Safety

| | |
|------------------|---|
| EMI Requirements | Meets Conduction Limits of: (A) FCC Part-15 Class B (B) CISPR-22 Class B |
| Safety Standards | Meets or Exceeds: (A) UL/C-UL (UL 60950-1) (B) TUV/GS (EN 60950-1) (C) CE (D) CB (E) FCC (F) PSE (G) CEC Level V |



SP150P Series

Desk-Top, Switchmode Power Supply
RoHS Compliant, CEC Efficiency Level V

Date: 1/10/11

Rev: 121510

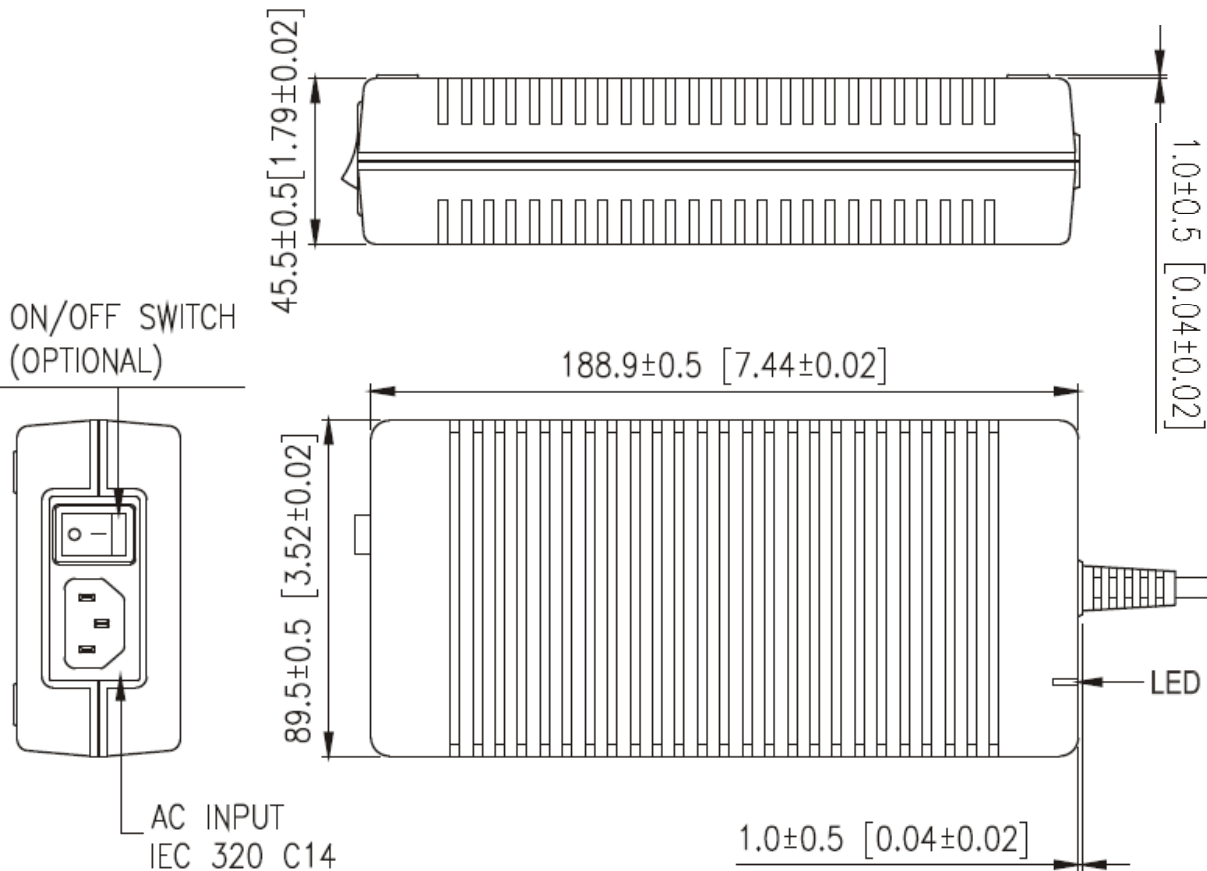
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Output Voltage and Current Chart

| Model Number | Output Voltage | Output Current | Total Regulation | Maximum Output Power |
|--------------|----------------|----------------|------------------|----------------------|
| SP150P924R | 24 VDC | 6.25 A | 3% | 150W |

Note: Output Connector to be specified.

Standard Connector is a 4 ft. (16AWGx2C) cable with a 2.5 x 5.5 x 11mm Female Barrel Plug, Center Positive (+).



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