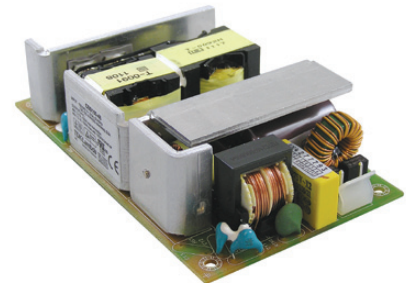




3 x 5" 150W AC-DC Medical Power Supplies

| Features | Benefits |
|--|--|
| • No Load Power <0.5W | • Energy Saving |
| • Low Profile, Industry Standard Footprint | • Fits 1U Applications |
| • Dual input fuses | • Simplifies System Design, Reduces Cost |



| Specification | | |
|------------------------------------|--------|--|
| Model | CSS150 | |
| Input Voltage range | V | 90 - 264VAC (47 - 400Hz)(1) or 120 - 180VDC |
| Inrush Current | A | <60A maximum at 264VAC input, 25°C ambient cold start |
| Input Current (115/230VAC) | A | 1.7 / 0.85 |
| Power Factor Correction | - | Meets EN61000-3-2, >0.9 |
| Leakage Current | µA | <250µA 264VAC 63Hz |
| Hold Up Time (Typ) | ms | 16ms at 115VAC input |
| Temperature Coefficient | - | ±0.05%/°C |
| Voltage Accuracy | % | ±1% |
| Minimum Load | A | None |
| Total Regulation | % | ±3% |
| Ripple & Noise | % | 2% peak to peak |
| Overcurrent Protection | - | 110 - 150% |
| Overvoltage Protection | V | 110 - 150% of nominal (Cycle input power to reset) |
| Remote On/Off | - | Unit on: Floating or low <1.2V, Unit off: Apply 5V with respect to 0V |
| Efficiency | % | 89% typical |
| No load power | W | <0.5W |
| Operating Temperature | °C | 0 to +70°C derate linearly to 50% load from 50 to 70°C |
| Storage Temperature | °C | -20°C to +85°C |
| Humidity (non condensing) | - | 20 - 95% RH |
| Cooling | - | Convection or forced air (2.5m/s) |
| Withstand Voltage | - | Input to Ground 1.5kVAC, 3kVAC (2 x MOOPs 3rd Edition), Output to Ground 500VDC for 1 min. |
| Isolation Resistance | Ω | >100M Ω at 25°C & 70%RH, Output to Ground 500VDC |
| Vibration (non operating) | - | 19.6m/s ² (10~55Hz:2G Constant, X,Y,Z 60min each.) |
| Shock | - | < 196.1m/s ² (20G) |
| Safety Certifications and Markings | - | IEC/EN/CSA60601-1, ANSI/AAMI ES60601-1, IEC/EN/UL/CSA62368-1, 60950-1, CE Mark & UKCA Mark |
| Conducted & Radiated EMI | - | EN55011-B, FCC Class B |
| Immunity | - | EN60601-1-2 |
| MTBF | - | 180,000 (MIL-217F-HDBK) |
| Weight (Typ) | g | 340g |
| Size (WxLxH) | mm | 127 x 76.2 x 33 (including underside components) |
| Warranty | yrs | 2 |

(1) Derate linearly to 90W convection rating from 90 to 100VAC input

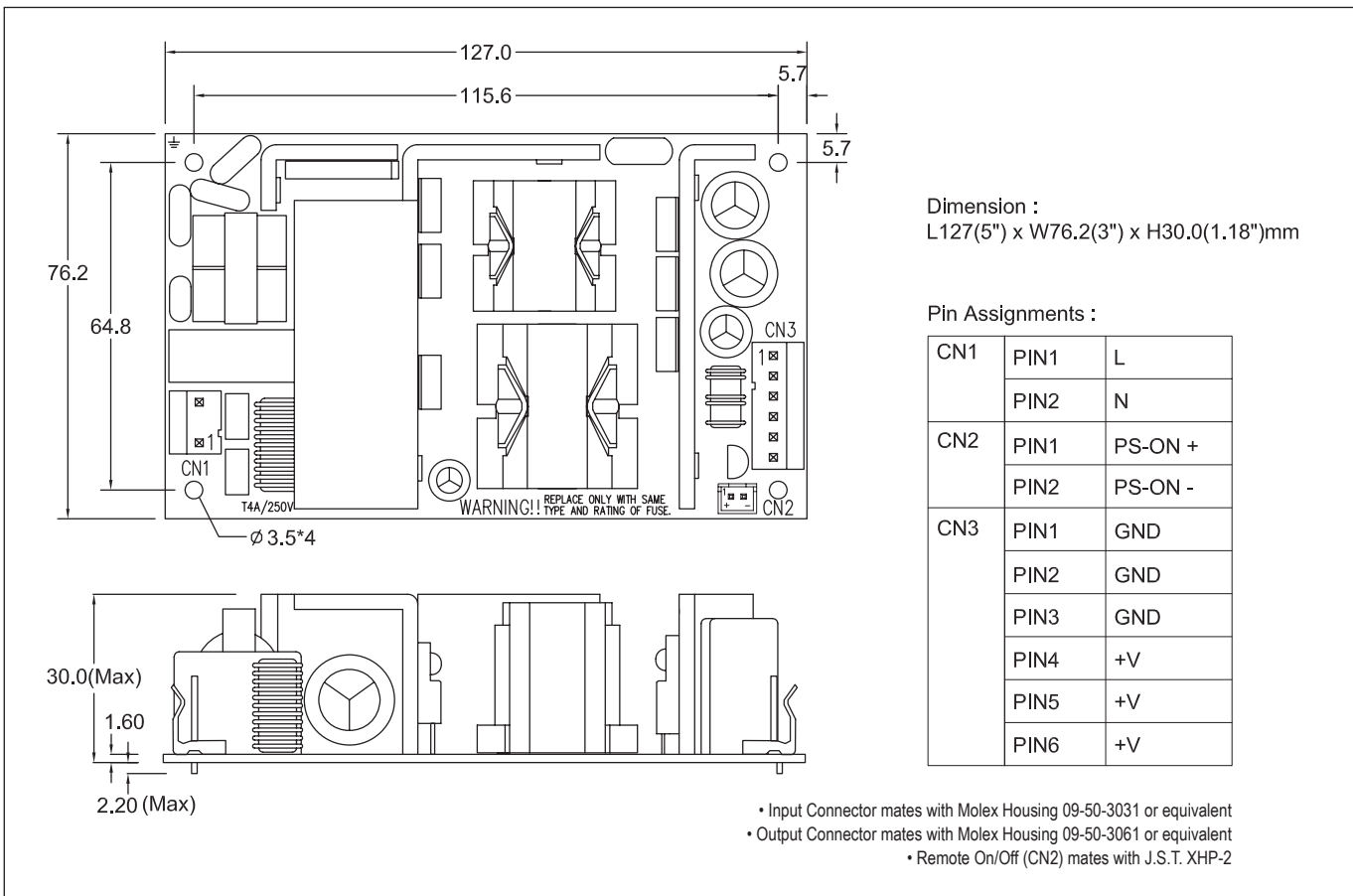
Model Selector

| Model | Output Voltage (V) | Factory Set Voltage Range * | Maximum Current Convection (A) | Maximum Power Convection (W) | Maximum Current Forced Air | Maximum Power Forced Air |
|-----------|--------------------|-----------------------------|--------------------------------|------------------------------|----------------------------|--------------------------|
| CSS150-12 | 12V** | 11.64 - 12.36V | 8.3A | 100W | 12.5A | 150W |
| CSS150-15 | 15V | 14.55 - 15.45V | 6.7A | 100W | 10A | 150W |
| CSS150-24 | 24V | 23.28 - 24.72V | 4.2A | 100W | 6.3A | 150W |
| CSS150-36 | 36V | 34.92 - 37.08V | 2.8A | 100W | 4.2A | 150W |
| CSS150-48 | 48V | 46.60 - 49.44V | 2.1A | 100W | 3.1A | 150W |

*MOQs are applicable, contact factory

**Factory set at 12.2V at zero load

Outline Drawing CSS150 Series





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