



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



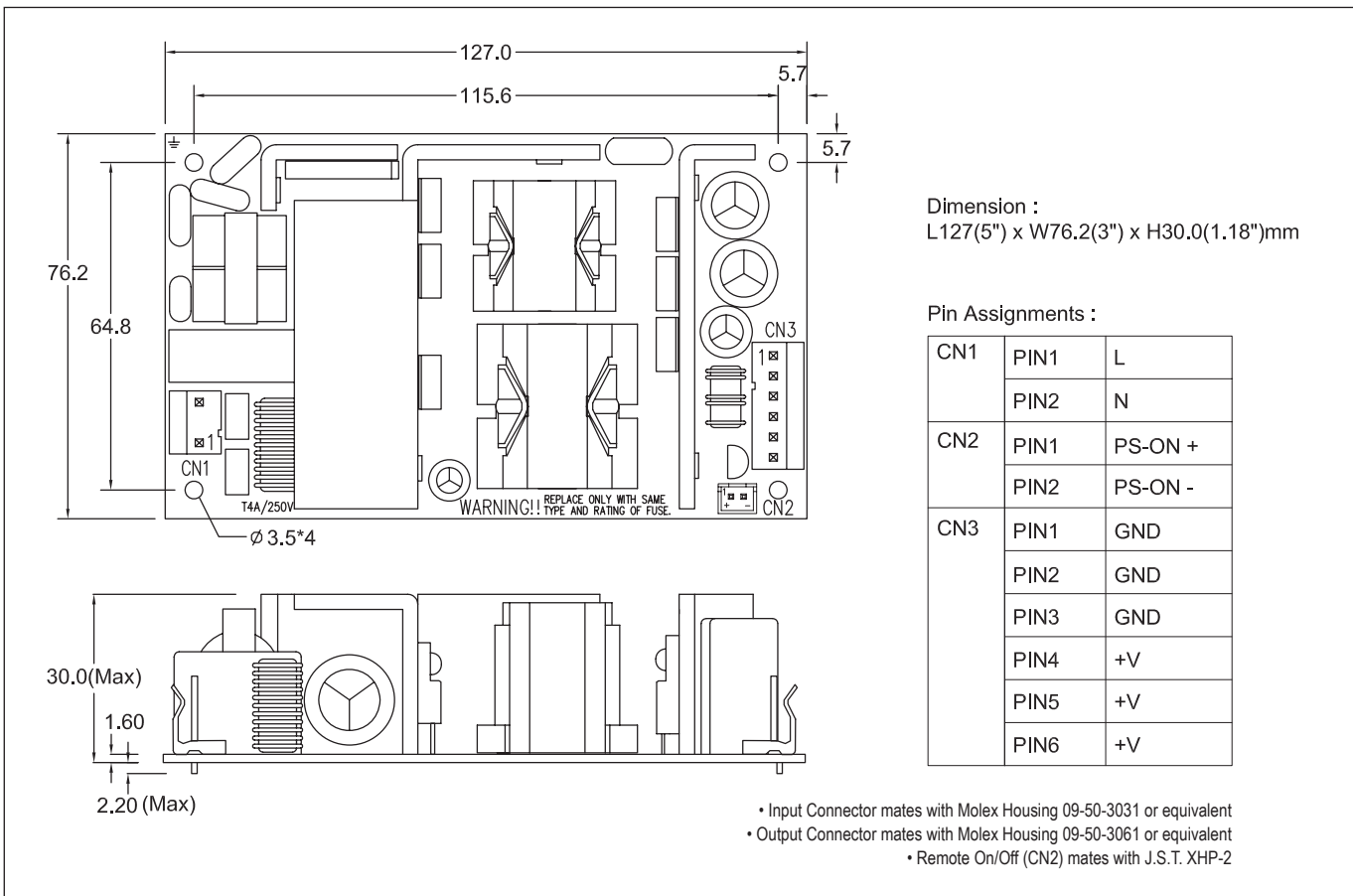
Specification		
Model	CSS150	
Input Voltage range	V	90 - 264VAC (47 - 400Hz)(1) or 120 - 180VDC
Inrush Current	A	<60A maximum at 264VAC input, 25°C ambient cold start
Input Current (115/230VAC)	A	1.7 / 0.85
Power Factor Correction	-	Meets EN61000-3-2, >0.9
Leakage Current	µA	<250µA 264VAC 63Hz
Hold Up 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	G	< 196.1 m/s ² (2G)
Safety Agency Approvals	-	UL60601-1, EN60601-1, IEC60601-1, UL60950-1, EN60950-1, CE 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)	Voltage Adjust (V)	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

Outline Drawing CSS150 Series





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