

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

Features

- ◆ Wide Range AC Input
- ◆ Low profile, Industry Standard Footprint
- ◆ Global Safety Agency Compliance
- ◆ Dual input fuses



Key Market Segments & Applications



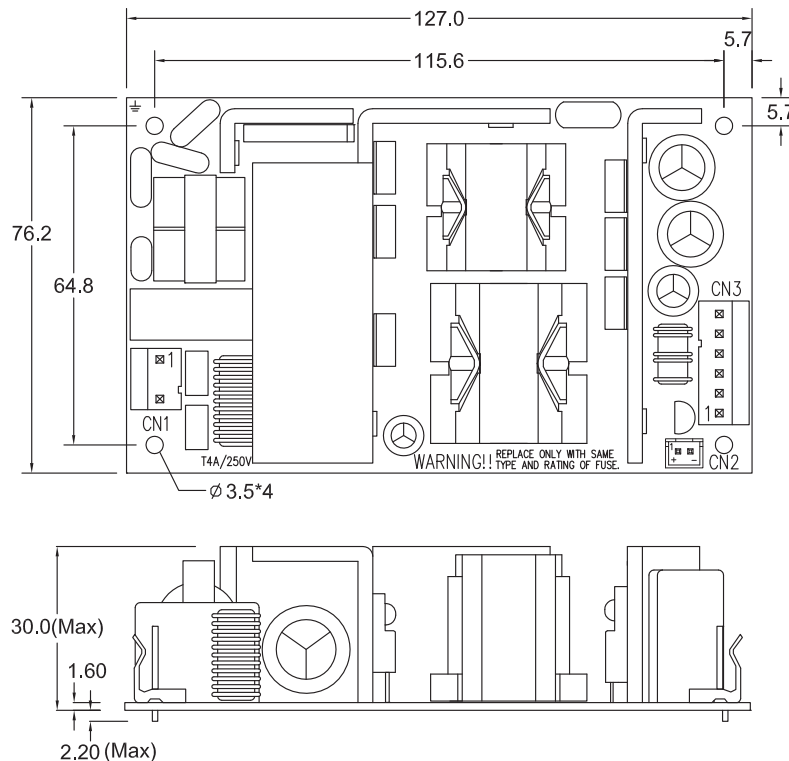
Specifications

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
Off load power draw	W	<0.5W
Operating Temperature	°C	0 to +70°C derate linearly to 50% load from 50 to 70°C
Storage Temperature	°C	-20 to +85°C
Humidity (non condensing)	-	10 - 95% RH
Cooling	-	Convection or forced air (2.5m/s)
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 3kVAC (2 x MOOPs 3rd Edition), Output to Ground 500VDC for 1 min.
Isolation Resistance	-	>100M at 25C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	19.6m/s ² (10~55Hz:2G Constant, X,Y,Z 60min each.)
Shock	-	< 196.1 m/s ² (20G)
Safety Agency Approvals	-	UL/CSA/IEC/EN 60950-1, UL/CSA/IEC/EN 60601-1, ANSI/AAMI ES60601-1, 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	3 x 5 x 1.3" (including underside components)
Warranty	yrs	Two Years

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

*Safety certified for AC input only

Outline Drawing



Dimension :
L127(5") x W76.2(3") x H30.0(1.18")mm

Pin Assignments :

CN1 P3.96 (3PN2) Molex P/N:09652038 OR Equivalent	PIN1	N
	PIN2	L
CN2 P2.5-2P Molex P/N:481520210 OR Equivalent	PIN1	PS-ON +
	PIN2	PS-ON -
CN3 P3.96-6P Molex P/N:09652068 OR Equivalent	PIN1	+V
	PIN2	+V
	PIN3	+V
	PIN4	GND
	PIN5	GND
	PIN6	GND

Model Selector

Model	Output Voltage (V)	Maximum Current Convection (A)	Maximum Power Convection (W)	Maximum Current Forced Air	Maximum Power Forced Air
CSS150-12	12V	8.3A	100W	12.5A	150W
CSS150-15	15V	6.7A	100W	10A	150W
CSS150-24	24V	4.2A	100W	6.3A	150W
CSS150-36	36V	2.8A	100W	4.2A	150W
CSS150-48	48V	2.1A	100W	3.1A	150W

Connectors (not supplied)

- ◆ Input Connector mates with Molex Housing 09-50-3031 or equivalent
- ◆ Output Connector mates with Molex Housing 09-50-3061 or equivalent
- ◆ Remote On/Off (CN2) mates with J.S.T. XHP-2

Other Medical Products

KM	15 - 40W pcb mount medical
CSS	40 - 500W medical
NV175	175 - 200W 1-4 outputs
NV300	300W 1-4 outputs

For Additional Information, please visit
us.tdk-lambda.com/lp/products/css-series.htm

