

Технические характеристики на источники питания AC/DC серии CSS

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Брянск (4832)59-03-52
Вологда (8172)26-41-59
Иваново (4932)77-34-06
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Астана +7(7172)727-132
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Воронеж (473)204-51-73
Ижевск (3412)26-03-58
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Екатеринбург (343)384-55-89
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Тула (4872)74-02-29
Уфа (347)229-48-12
Ярославль (4852)69-52-93

Эл. почта: adm@nt-rt.ru || Сайт: <http://lambda.nt-rt.ru/>



CSS65 Series

2 x 4" 40 to 65W AC-DC
Medical Power Supplies

- Wide Range AC Input
- Low profile, Industry Standard Footprint
- Global Safety Agency Compliance

Key Market Segments & Applications

Medical
Gaming
Test & Measurement

CSS65 Features and Benefits

Features

- Industry standard footprint
- Wide Range AC Input
- Dual input fuses

Benefits

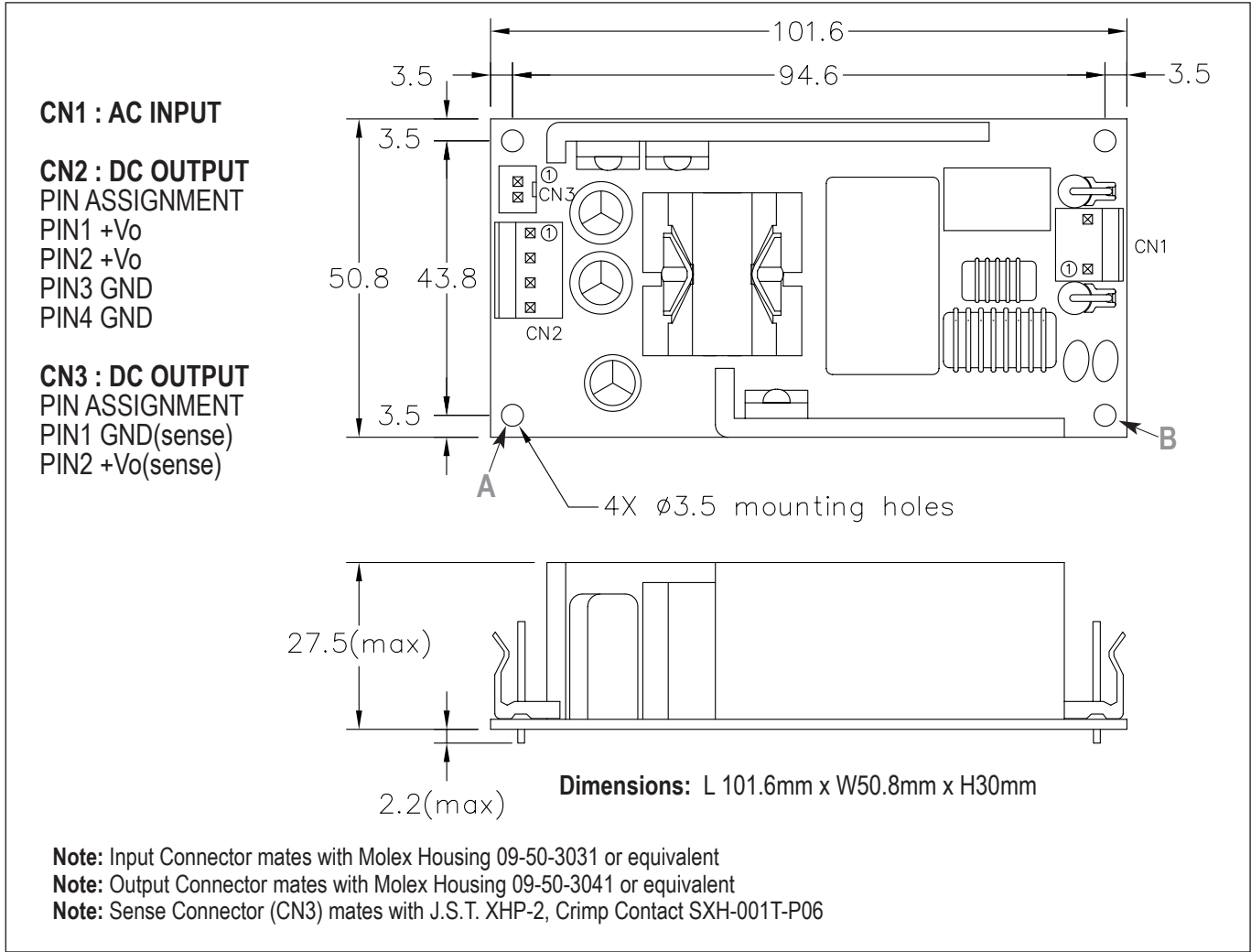
- Availability to second source
- Global Operation
- Easier system compliance

Specifications

ITEMS		CSS65
Input Voltage range	V	90 - 264VAC (47 - 63Hz) or 120 - 370VDC
Inrush Current	A	<40A maximum at 115VAC input, 25°C ambient cold start
Input Current (115/230VAC)	A	2 / 1
Leakage Current	μA	<250uA 264VAC 63Hz
Hold Up Time (Typ)	ms	10ms at 115VAC input
Temperature Coefficient	°C	±0.05%/°C
Adjustment Range	-	None
Remote Sense	-	Yes
Minimum Load	A	None
Regulation	%	5V: ±5%, 12-24V: ±3%, 36-48V: ±2% (10 - 100% load change, 100-240VAC line change)
Ripple & Noise	%	1%
Short Circuit Protection	-	Continuous - hiccup mode
Overvoltage Protection	V	110 - 150% of nominal (Automatic Reset)
Efficiency	%	up to 87% (see Model Selector)
Operating Temperature	°C	0 to +70°C derate linearly to 50% load from 50 to 70°C
Storage Temperature	°C	-10 to +70°C
Humidity (non condensing)	-	20 - 95% RH
Cooling	-	Convection
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 4kVAC, Output to Ground 500VDC for 1 min.
Isolation Resistance	-	>20MΩ at 25°C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	23.52m/s² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s² (20G)
Safety Agency Approvals	-	UL60601-1, EN60601-1, IEC60601-1, UL60950, EN60950, CE
Conducted & Radiated EMI	-	EN55011-B, FCC Class B
Immunity	-	EN60601-1-2
Weight (Typ)	g	200g
Size (WxLxH)	mm	51 x 104 x 30 (including underside components)
Warranty	yrs	2

Model Selector				
Model	Output (V)	Maximum Output (A)	Maximum Power (A)	Efficiency % (typ)
CSS65-5	5	8.0	40	81
CSS65-12	12	5.0	60	86
CSS65-15	15	4.0	60	86
CSS65-19	19	3.43	65	86
CSS65-24	24	2.71	65	87
CSS65-36	36	1.81	65	87
CSS65-48	48	1.36	65	87

Outline Drawing CSS65 Series



Earthing points: The CSS65 is a Class I product. When installing the CSS65, fixing points **A** & **B** must be securely connected to a protective earth in the final system assembly.

Fusing: Internal fuses (F1 & F2): The product is dual fused in the L and N line, T3.15A, 250V. The product is not user serviceable. Fuses must not be replaced by the user.



Medical



Industrial



Test



Comm



Broadcast

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



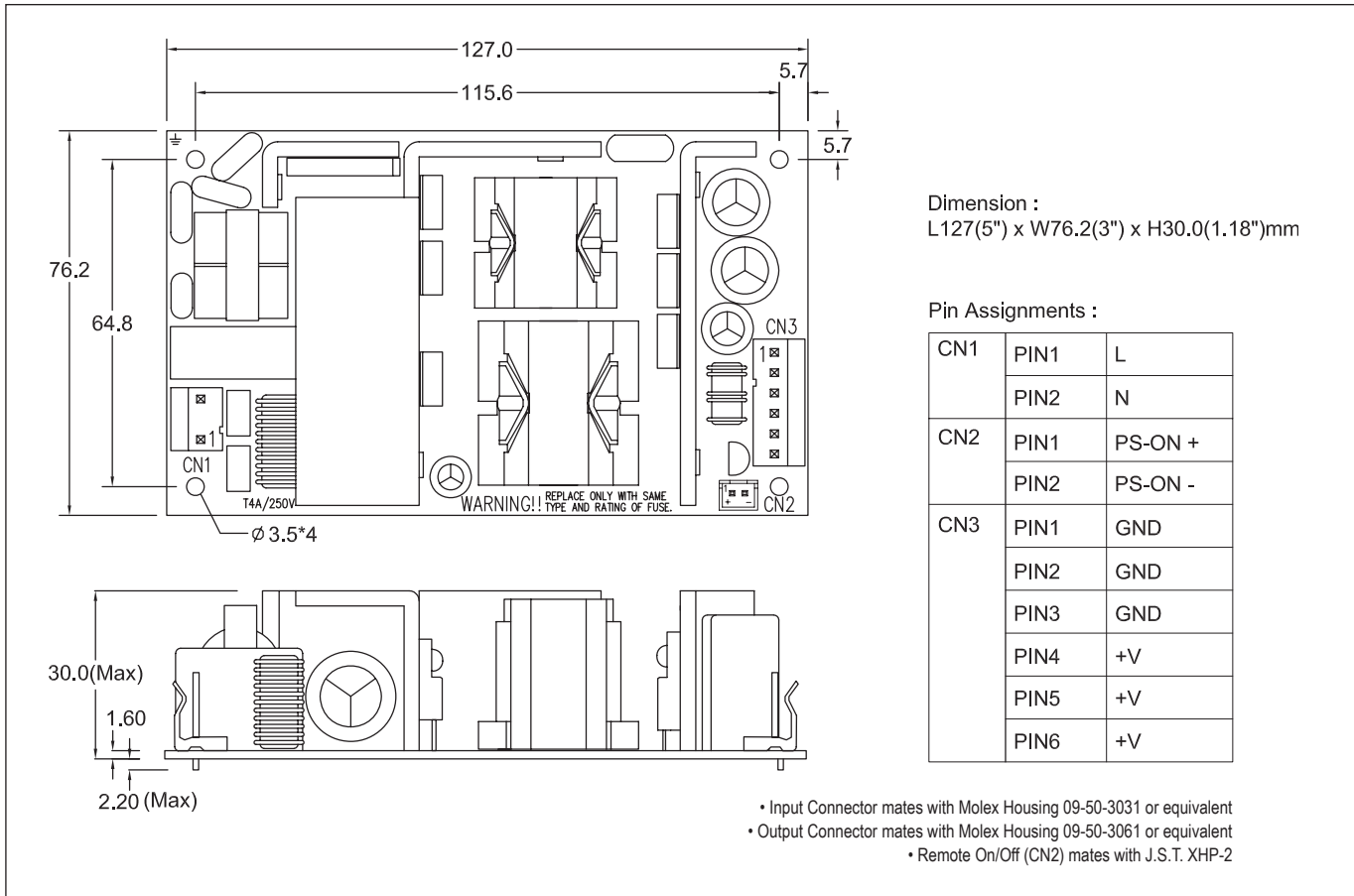
Features	Benefits
• No Load Power <0.5W	• Energy Saving
• Low Profile, Industry Standard Footprint	• Fits 1U Applications
• Dual input fuses	• Simplifies System Design, Reduces Cost

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

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