AD8024N3L-001 78 Watts

Total Power: 78 Watts **Input Voltage:** 90 - 264 Vac **# of Outputs:** Single



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Special Features

- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overcurrent, Overvoltage and Thermal protection
- Constant voltage
- High efficiency
- High MTBF
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter
- (CISPR 22 Class B)
- AC Input fuse
- Complies with CeC IV and Energy Star Requirement

Electrical Specifications

Input				
Input range:	90-264 Vac (wide range)			
Frequency:	47-63 Hz			
Input current:	2 A maximum			
Efficiency:	84% typical			
EMI/RFI:	FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B			
Safety ground leakage current:	0.5 mA maximum@ 50/60 Hz, 264 Vac input			
Output				
Maximum Power (Po):	78 W			
Hold-up time:	10 ms. minimum at full load @ 115 Vac			
Overcurrent protection:	Output short circuit protection auto recover Overload protection @ 110 - 120% above maximum rating			
Thermal protection:	Internally protected; output will latch off			
Cable/connector:	DC cable length 2.5 mm center plug DC plug center +v DC plug outer -v			

Environmental Specifications

Operating temperature: 0° to +40 °C ambient Storage temperature: -40 °C to +70 °C

Electromagnetic susceptibility: Designed to meet EN61000-4-2, -3, -4, level 2;

EN61000-4-5, Level 4; EN61000-3-3

Humidity: Operating; non-condensing 5% to 90% RH

MTBF demonstrated: > 300,000 hours at full load and 25 °C ambient conditions

Safety

• **UL:** UL 60950-1

• **CSA:** CSA-C22.2 no.60950-1

NEMKO: EN/IEC60950-1CB: Certificate and report



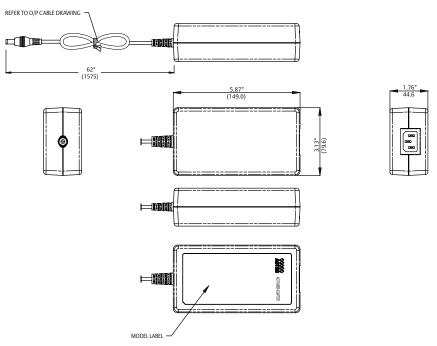


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Ordering Information								
Model Number	Maximum Power	Output Voltage	Maximum Load	Peak Load ¹	Regulation ²	Ripple P/P (PARD) ³		
AD8024N3L-001	80 W	24 Vdc	3.25 A	4.16 A	±5%	< 400mV		
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- 1. Peak current lasting < 4 seconds with a maximum 10% duty cycle.
- At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
- 3. Peak-to-peak with 20 MHz bandwidth and 10 μF (tantalum capacitor) in parallel with a 0.1 μF capacitor at rated line voltage and load ranges.

Mechanical Drawing



1.76" (H) x 3.13" (W) x 5.87" (L) 44.0 mm (H) x 79.6 mm (W) x 149.0 mm (L) AC Input Connector: IEC320, C14 AC Input power cord sold separately

Notes:

- 1. Specifications subject to change without notice.
- 2. All dimensions in inches (mm), tolerance is ± 0.02 " (± 0.5 mm)
- 3. Warranty: 2 year
- 4. Weight: 0.91 lb./ 0.41 kg
- 5. AC input power cord sold separately.
- 6. Specifications at factory settings at 115 VAC input, 25 °C unless otherwise stated

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