

ADN Series

60-480 Watts

Total Power: 60-480 Watts
Input Voltage: 115-230 Vac
Outputs: Single



Electrical Specifications

Input	
Nominal voltage:	115-230 VAC auto select
AC Input range:	85-123 / 176-264 Vac
DC Input range:	210-375 Vdc
Frequency:	47-63 Hz, 500 Hz
Output	
Nominal Voltage:	24 V (22.5 - 28.5 VDC Adj.)
Hold-up time:	> 20 ms at full load (25 °C)
Tolerance:	< ± 2% overall (combination line/load/time/temp)
Line regulation:	< 0.5%
Load regulation:	< 0.5%
Time and temp. drift	< 1%
Initial voltage setting:	24.5 V ± 1%
Ripple:	< 50mVpp
Power back immunity:	> 35 V
Overvoltage protection:	< 33 Vdc

Environmental Specifications

Storage/shipment:	-25 °C to +85 °C
Operating (convection):	-10 °C to +60 °C (derate to 50% at +70 °C)
Humidity:	< 90% RH noncondensing per IEC 68-2-2, 68-2-3 IP20 (EN60529), protection from moisture and condensation

Special Features

- Power Factor Correction
- Auto Select 115/230 VAC, 50/60 Hz Input
- All Single Phase models meet SEMI F47
- Sag Immunity
- Class 1, Div 2 Hazardous Locations
- DC OK Signal
- Adjustable Voltage
- Industrial grade design (no derating to 60°C)
- User-friendly front panel
- Single and three phase inputs available
- Highly efficient >90% switching technology
- High MTBF and reliability
- Peak current capability 2x rated current for 2 seconds
- Three year warranty
- NEC Class 2 on models <100W

Safety

- EN60950
- UL508 Listed
- cULus
- UL 60950
- cURus
- CE
- EN61000-3-2
- IEC 60079-15 Class 1

Ordering Information

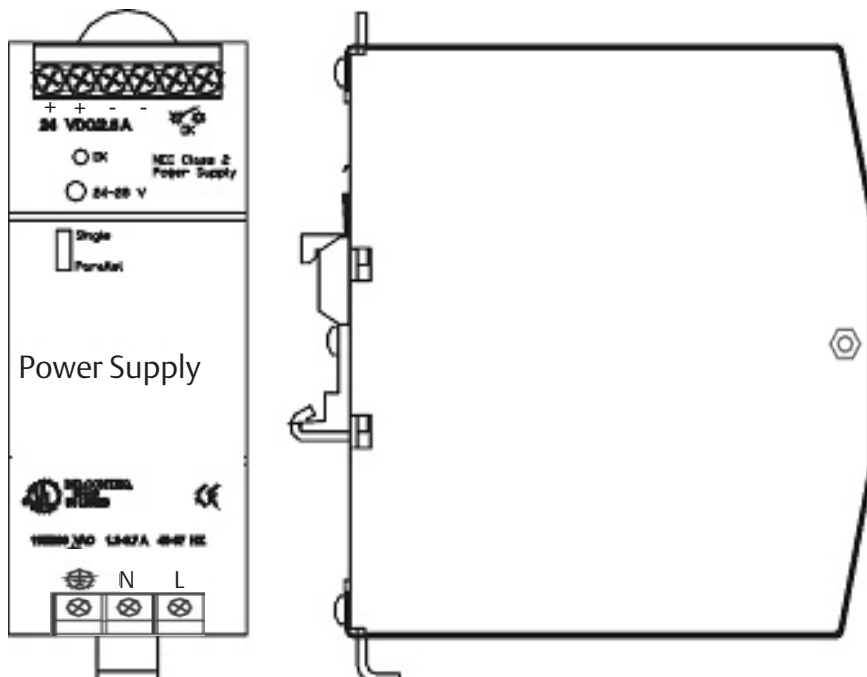
Model Number	Weight	Power	Voltage	Current
ADN2.5-24-1PM	1.6 lbs (725g)	60W	85-264 Vac 90-375 Vdc	2.5 A
ADN4-24-1PP	0.7 lbs (320g)	93W	85-132/176-264 Vac 210-375 Vdc	3.8 A
ADN4-24-1PM	2.4 lbs (1055g)	100W	85-132/176-264 Vac 210-375 Vdc	4 A
ADN5-24-1PM	2.4 lbs (1055g)	120W	85-132/176-264 Vac 210-375 Vdc	5 A
ADN10-24-1PM	3.3 lbs (1480g)	240W	85-132/176-264 Vac 210-375 Vdc	10 A
ADN20-24-1PM	3.4 lbs (1520g)	480W	85-132/176-264 Vac 210-375 Vdc	20 A

Dimensions - inches (mm)

	Height	Width	Depth
ADN2.5-24-1PM	4.88 (124)	1.97 (50)	4.55 (116)
ADN4-24-1PP	2.95 (75)	2.85 (72)	3.80 (97)
ADN4-24-1PM	4.88 (124)	2.56 (65)	4.55 (116)
ADN5-24-1PM	4.88 (124)	2.56 (65)	4.55 (116)
ADN10-24-1PM	4.88 (124)	3.26 (83)	4.55 (116)
ADN20-24-1PM	4.88 (124)	6.88 (175)	4.66 (118)

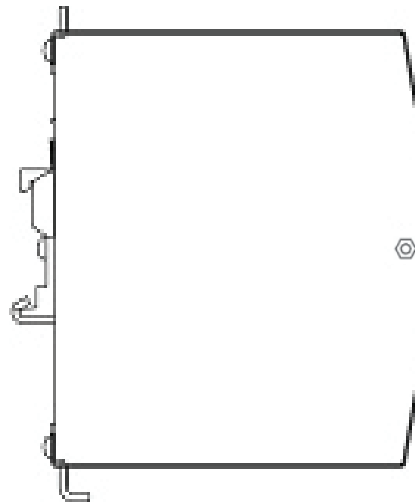
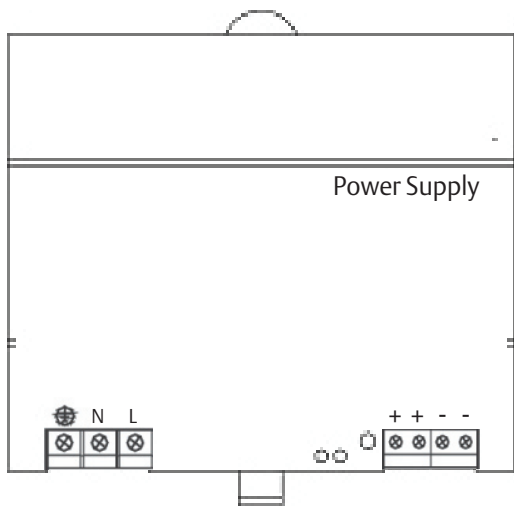
Mechanical Drawing

ADN2.5 thru ADN10



Mechanical Drawing cont.

ADN20



Americas

5810 Van Allen Way
Carlsbad, CA 92008
USA
Telephone: +1 760 930 4600
Facsimile: +1 760 930 0698

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
Telephone: +44 (0) 1384 842 211
Facsimile: +44 (0) 1384 843 355

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
Telephone: +852 2176 3333
Facsimile: +852 2176 3888

For global contact, visit:

www.powerconversion.com
techsupport.embeddedpower@emerson.com

While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Emerson Network Power.
The global leader in enabling
business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- **Embedded Power**
- Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

EmersonNetworkPower.com

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.
©2008 Emerson Electric Co.