

Embedded Power for Business-Critical Continuity

## ADN Series

60-480 Watts

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



Rev. 12.12.08\_142  
 ADN Series  
 1 of 3



## 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
Oversvoltage 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
- EN61010-3-2
- IEC 60079-15 Class 1

### Ordering Information

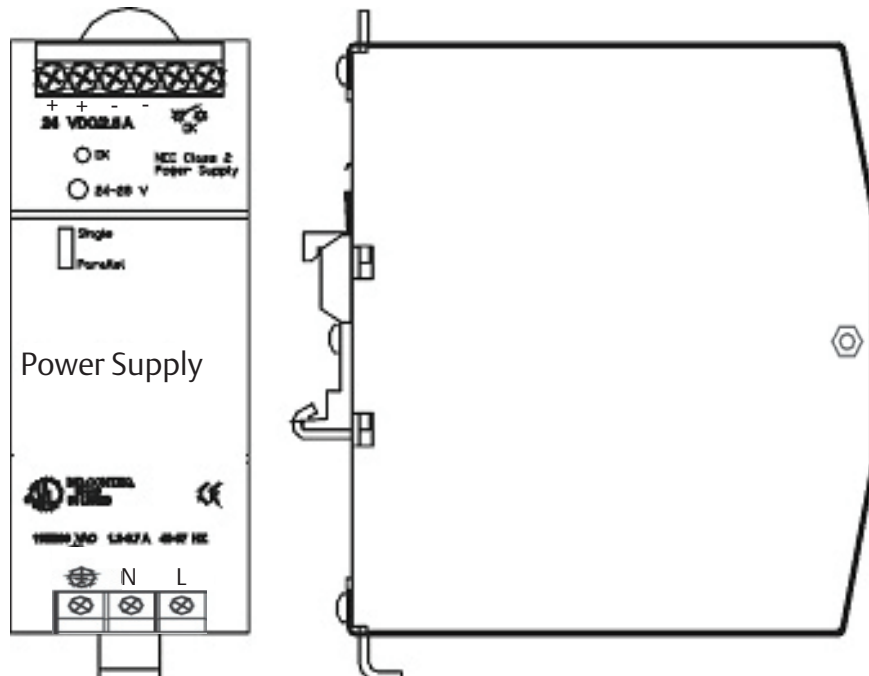
Model Number	Weight	Power	Voltage	Current
ADN2.5-24-1PM	1.6 lbs (725g)	60W	85-264 Vac 90-375 Vdc	2.5 A
ADN4-24-1PP	0.7 lbs (320g)	93W	85-132/176-264 Vac 210-375 Vdc	3.8 A
ADN4-24-1PM	2.4 lbs (1055g)	100W	85-132/176-264 Vac 210-375 Vdc	4 A
ADN5-24-1PM	2.4 lbs (1055g)	120W	85-132/176-264 Vac 210-375 Vdc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

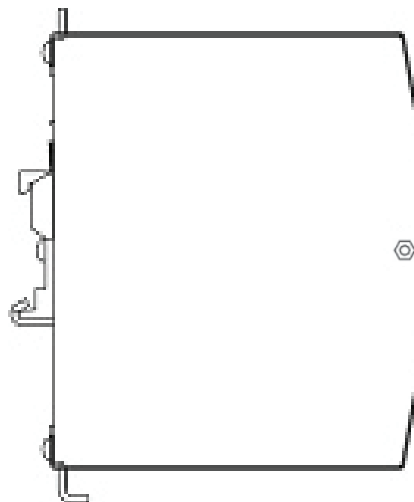
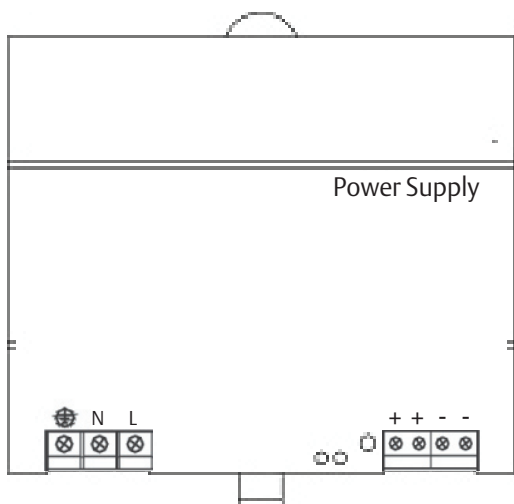
### Mechanical Drawing

#### ADN2.5 thru ADN10



## Mechanical Drawing cont.

### ADN20



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