

ADN Series

60-480 Watts

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



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

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

Ordering Information

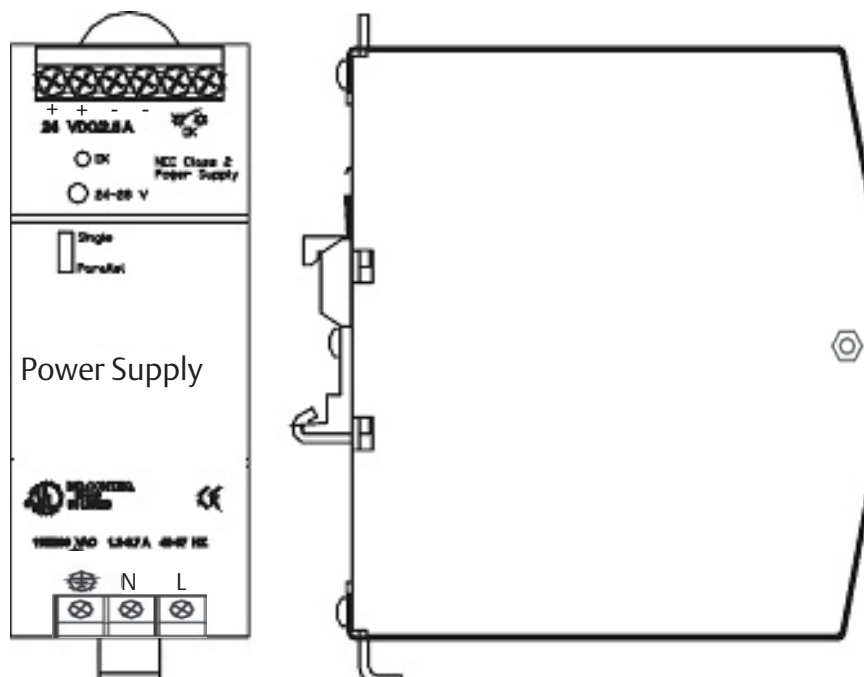
Model Number	Weight	Power	Voltage	Current
ADN2.5-24-1PM	1.6 lbs (725g)	60W	85-264 Vac 90-375 Vdc	2.5 A
ADN4-24-1PP	0.7 lbs (320g)	93W	85-132/176-264 Vac 210-375 Vdc	3.8 A
ADN4-24-1PM	2.4 lbs (1055g)	100W	85-132/176-264 Vac 210-375 Vdc	4 A
ADN5-24-1PM	2.4 lbs (1055g)	120W	85-132/176-264 Vac 210-375 Vdc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

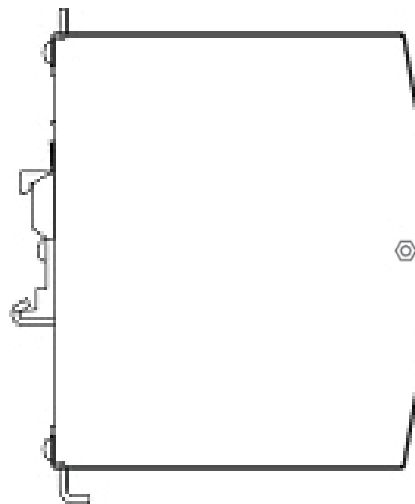
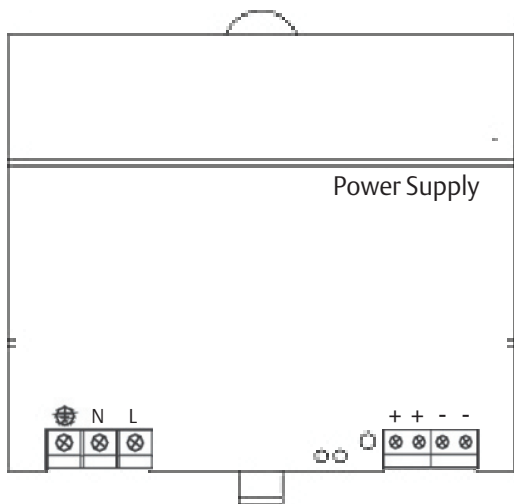
Mechanical Drawing

ADN2.5 thru ADN10



Mechanical Drawing cont.

ADN20



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