

60-480 Watts ADN Series

Total Power: 60 - 480 Watts
Input Voltage: 115/230 VAC
of Outputs: One



Electrical Specs

Input

Nominal voltage 115/230 VAC auto select
Power factor (PFC) EN61000-3-2
AC Input range 85-123 / 176-264VAC
DC Input range 210-375VDC
Frequency 47-63 Hz, 500 Hz

Output

Nominal voltage 24V (22.5-28.5VDC Adj.)
Holdup time > 20ms at full load (25°C)
Tolerance < ±2 % overall
(combination line/load/time/temp)
Tolerance < ±2 % overall
Line regulation <0.5%
Load regulation <0.5%
Time & temp. drift <1%
Initial voltage setting 24.5V ± 1%
Ripple < 50mVpp
Power back immunity > 35V
Parallel Operation
ADN20-24-1PM Switch selectable
All others Jumper selectable via front panel
Over voltage protection < 33VDC

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

Environmental

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 & condensation

Safety

EMC
Emissions EN 61000-6-3, Class B EN55011, EN55022 Radiated Conducted including Annex A
Immunity EN 61000-6-2, EN61000-4-2 Level 4, EN61000-4-3 Level 3, EN61000-4-6 Level 3, EN61000-4-4 Level 4 input and level 3 output. EN61000-4-5 Isolation class 4, EN61000-4-11, Transient protection according to VDE 0160/W2 over entire load range.
Approvals EN60950, UL508 Listed, cULus, UL 60950, cURus, CE (LVD 73/23 & 93/68/EEC), (EMC 89/336 & 93/68/EEC). EN61000-3-2, EN60079-15 (Class 1, Division 2 hazardous location, Groups A, B, C, D w/ T3 temp class up to 60°C Ambient.) SEMIF47 Sag Immunity. For models <100W, UL60950 testing to include approval as NEC Class 2 power supply acc. To NFPA 70 art. 725-41 (a)(2).
Protection Class 1 (IEC536), degree of protection SELV rated per EN60950

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ASIA

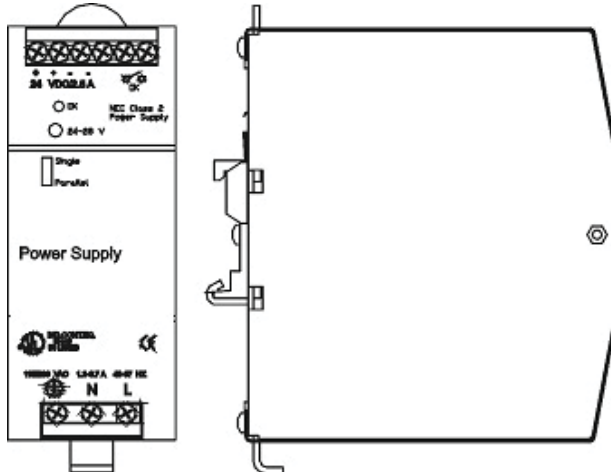
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Ordering Information

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

ADN2.5 thru ADN10



DIMENSIONS(inches)			
	Height	Width	Depth
ADN2.5-24-1PM	4.88	1.97	4.55
ADN4-24-1PP	2.95	2.85	3.80
ADN4-24-1PM	4.88	2.56	4.55
ADN5-24-1PM	4.88	2.56	4.55
ADN10-24-1PM	4.88	3.26	4.55
ADN20-24-1PM	4.88	6.88	4.66

ADN20

