

DIN Rail (ADN)

60-960 Watts

Special Features

- Power factor correction
- Auto select 115/230 VAC, 50/60Hz input
- 380-480VAC 3-phase
- 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
- Available plastic case (PP) or metal (PM)
- 3 year warranty



Electrical Specifications

Input Single Phase

Nominal voltage	115/230VAC auto select
Power factor (PFC)	EN6100-3-2
AC Input range	85-123/176-264VAC
DC Input range	210-375VDC
Frequency	47-63Hz, 500Hz

Input 3 - Phase

Nominal voltage	380-480VAC
Power factor (PFC)	EN6100-3-2
AC Input range	340-576VAC
DC Input range	450-820VDC
Frequency	47-63Hz, 500Hz
Phase	1Ø or 3Ø on 5, 10 & 20A models 30A and 40A models are 3Ø only

Output

Nominal voltage	24V (22.5-28.5VDC adj.)
Hold up time	> 20ms at full load (25° C)
Tolerance	< ±2% overall (combination line/load/time/temp)
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
ADN40-24-3PM	Active single wire parallel
All others	Jumper selectable via front panel
Over voltage protection	> 30.5 < 33VDC

Power	Voltage	Current	Size L x W x H (mm)	Weight	Model Number
60W	85-264VAC	2.5A	4.88" x 1.97" x 4.55" (124 x 50 x 116)	1.6 lbs. (725g)	ADN2.5-24-1PM
100W	85-132/176-264VAC	3.8A	2.95" x 2.85" x 3.80" (75 x 72.4 x 96.5)	2.4 lbs. (1055g)	ADN3.8-24-1PP
	85-132/176-264VAC	4.0A	4.88" x 2.56" x 4.55" (124 x 65 x 116)	2.4 lbs. (1055g)	ADN4-24-1PM
	85-132/176-264VAC	4.2A	2.95" x 2.85" x 3.80" (75 x 72.4 x 96.5)	2.4 lbs. (1055g)	ADN4.2-24-1PP
120W	85-132/176-264VAC	5A	4.88" x 2.56" x 4.55" (124 x 65 x 116)	2.4 lbs. (1055g)	ADN5-24-1PM
	85-132/176-264VAC	5A	4.88" x 2.91" x 4.55" (124 x 73 x 116)	2.4 lbs. (1055g)	ADN5-24-3PM
240W	85-132/176-264VAC	10A	4.88" x 3.26" x 4.55" (124 x 82.8 x 116)	3.3 lbs. (1480g)	ADN10-24-1PM
	380-480VAC	10A	4.88" x 6.88" x 4.66" (124 x 174.8 x 118.4)	2.16 lbs. (980g)	ADN10-24-3PM
480W	85-132/176-264VAC	20A	4.88" x 3.50" x 4.55" (124 x 89 x 116)	3.4 lbs. (1520g)	ADN20-24-1PM
	380-480VAC	20A	4.88" x 6.88" x 4.55" (124 x 174.8 x 116)	3.97 lbs. (1800g)	ADN20-24-3PM
720W	380-480VAC	30A	4.88" x 9.72" x 4.55" (124 x 247 x 116)	4.0 lbs. (2000g)	ADN30-24-3PM
960W	380-480VAC	40A	4.88" x 11.10" x 4.55" (124 x 282 x 116)	6.6 lbs. (3300g)	ADN40-24-3PM