

eFlow3NV Series Power Supply/Chargers

Description

Altronix eFlow3NV series power supply/chargers convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single fused or four (4) fuse/PTC protected outputs. Power supply/charger is selectable for 12VDC or 24VDC with a total of 2A max. They also offer a suite of features that includes fire alarm disconnect, overvoltage protection, and low power disconnect which prevents deep discharge of stand-by batteries.



eFlow3N4DV

Key Features

- Available with 1 or 4 outputs.
- Fused or PTC protected outputs.
- Additional Class 2 Rated Aux. Output rated @ 1A.
- Overvoltage protection.
- Fire alarm disconnect.
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
 - Low power shutdown.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- Short circuit and overload protection.
- AC input and DC output LED indicators.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A..

eFlow3NV series Power Supply Configuration Reference Chart

Altronix Model Number	Nominal DC Outputs				Maximum Supply Current for Main and Aux. Outputs (A)	Input Rating: 220VAC, 50/60Hz	Input Fuse Rating	Battery Fuse Rating	Ripple Voltage (mV) Under low battery condition	Power Distribution Module	Number of Outputs	Fused Outputs Ratings	Auto-Resettable PTC Outputs Ratings	Accommodates up to 7AH Batteries	Accommodates up to 12AH Batteries
	[DC]		[AUX]												
	12VDC Output Range (volts)	24VDC Output Range (volts)	12VDC Output Range (volts)	24VDC Output Range (volts)											
eFlow3NV	10.13-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	2.1A	5A/250V	3A/32V	960	N/A	1	-	-	✓	-
eFlow3NXV												-	-	-	✓
eFlow3N4V	10.13-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	2.1A	5A/250V	3A/32V	960	PD4	4	2A	-	✓	-
eFlow3NX4V												2A	-	-	✓
eFlow3N4DV	9.78-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	2.1A	5A/250V	3A/32V	960	PD4CB	4	-	2A	✓	-
eFlow3NX4DV												-	2A	-	✓



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Specifications

Input

Voltage 220VAC (working range 198VAC - 256VAC),
50/60Hz, 2.1A max.
Fusing 5A/250V.

Outputs

Voltage 12VDC or 24VDC selectable.
Current 2A continuous max.
Protection Fused: 2A / PTC: 2A.
Auxiliary Power-limited @ 1A (unswitched).
Other Overvoltage protection
Filtered and regulated.

Back-up Battery *(not included)*

Capacity 7AH / 12VDC (1 or 2 within enclosure).
12AH / 12VDC (requires larger "X" enclosure).
40 AH, 65 AH (requires separate enclosure).
Type Sealed lead acid or gel type.
Fuse Rating 3A/32VDC.
Failover Upon AC loss, instantaneous.

Fire Alarm Disconnect

Supervised Latching or non-latching.
EOL 10K Resistor.

Supervision

AC Failure Form "C" contacts.
Battery Form "C" contacts.

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below
71-73% for 12V units and 70-75% for 24V units
(depending on the power supply). Prevents deep battery discharge.

Indicators (LED)

Input 220VAC is present.
DC Output Powered.

Agency Listings

CE European Conformity

Physical and Environmental

Dimensions (H x W x D)

eFlow3NV, eFlow3N4(D)V:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
eFlow3NXV, eFlow3NX4(D)V:
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
eFlow3NV	6.3 lbs. (2.86 kg)	7.2 lbs (3.27 kg)
eFlow3NXV	8.15 lbs. (3.7 kg)	9.1 lbs (4.13 kg)
eFlow3N4(D)V	6.45 lbs. (2.93 kg)	7.35 lbs (3.33 kg)
eFlow3NX4(D)V	8.3 lbs. (3.76 kg)	9.6 lbs (4.2 kg)

Temperature

Operating 0°C to 49°C (32°F to 120°F).
Storage -20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/-5%.
BTU/Hr. (approx.):

12VDC: 12 BTU/Hr.
24VDC: 25 BTU/Hr.

Accessories

Network Supervision

Altronix model LINQ2 Network Communication Module provides remote supervision,
control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

