

eFlow102NV Series Power Supply/Chargers

Description

Altronix eFlow102NV series power supply/chargers convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single fused, eight (8) or sixteen (16) fuse/PTC protected 12VDC outputs with a total of 10A 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.



eFlow102N8V

Key Features

- Available with 1, 8 or 16 outputs.
- Fused or PTC protected outputs.
- Additional 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.

eFlow102NV 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]											
eFlow102NV	10.03-13.2	10.03-13.2	10A	2.1A	5A/250V	15A/32V	760	N/A	1	-	-	✓	-
eFlow102NXV										-	-	-	✓
eFlow102N8V	10.03-13.2	10.03-13.2	10A	2.1A	5A/250V	15A/32V	760	PD8	8	2.5A	-	✓	-
eFlow102NX8V										2.5A	-	-	✓
eFlow102N8DV	9.78-13.2	10.03-13.2	10A	2.1A	5A/250V	15A/32V	760	PD8CB	8	-	2A	✓	-
eFlow102NX8DV										-	2A	-	✓
eFlow102N16V	10.03-13.2	10.03-13.2	10A	2.1A	5A/250V	15A/32V	760	PD16W	16	2.5A	-	✓	-
eFlow102NX16V								2 - PD8		2.5A	-	-	✓
eFlow102N16DV	9.78-13.2	10.03-13.2	10A	2.1A	5A/250V	15A/32V	760	PD16WCB	16	-	2A	✓	-
eFlow102NX16DV								2 - PD8CB		-	2A	-	✓



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Specifications

Input

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

Outputs

Voltage 12VDC.
Current 10A continuous max.
Protection Fused 2.5A / PTC 2A.
Auxiliary 1A (unswitched).
Other Overvoltage protection
Filtered and regulated.

Back-up Battery *(not included)*

Capacity 7AH / 12VDC (1 within enclosure).
12AH / 12VDC (requires larger "X" enclosure).
40AH, 65AH (requires separate enclosure).
Type Sealed lead acid or gel type.
Fuse Rating 15A / 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)

eFlow102NV, eFlow102N8(D)V, eFlow102N16(D)V:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).

eFlow102NXV, eFlow102NX8(D)V, eFlow102NX16(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
eFlow102NV	6.55 lbs. (2.97 kg)	7.45 lbs. (3.38 kg)
eFlow102NXV	8.4 lbs. (3.81 kg)	9.5 lbs. (4.31 kg)
eFlow102N8(D)V	6.7 lbs. (3.04 kg)	7.6 lbs. (3.45 kg)
eFlow102NX8(D)V	8.6 lbs. (3.9 kg)	9.7 lbs. (4.4 kg)
eFlow102N16(D)V	6.85 lbs. (3.11 kg)	7.75 lbs. (3.52 kg)
eFlow102NX16(D)V	8.75 lbs. (3.97 kg)	9.85 lbs. (4.47 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.):

61 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

