

eFlow104NV Series Power Supply/Chargers

Description

Altronix eFlow104NV 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 24VDC 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.



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 options.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

eFlow104NV 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 Output Ratings	Auto-Resettable PTC Output Ratings	Accommodates up to 7AH Batteries	Accommodates up to 12AH Batteries
	[DC]	[AUX]											
	24VDC Output Range (volts)	24VDC Output Range (volts)											
eFlow104NV	20.17-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	N/A	1	-	-	✓	-
eFlow104NXV										-	-	-	✓
eFlow104N8V	20.17-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	PD8	8	2.5A	-	✓	-
eFlow104NX8V										2.5A	-	-	✓
eFlow104N8DV	20.0-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	PD8CB	8	-	2A	✓	-
eFlow104NX8DV										-	2A	-	✓
eFlow104N16V	20.17-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	PD16W	16	2.5A	-	✓	-
eFlow104NX16V										2.5A	-	-	✓
eFlow104N16DV	20.0-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	PD16WCB	16	-	2A	✓	-
eFlow104NX16DV										-	2A	-	✓



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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A max.
Fusing	6.3A / 250V.

Outputs

Voltage	24VDC
Current	10A continuous max.
Protection	Fused 2.5A / PTC 2A.
Auxiliary	Power-limited @ 1A (unswitched).
Other	Overvoltage protection Filtered and regulated.

Back-up Battery *(not included)*

Capacity	7AH / 12VDC (2 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.
Battery	Discharged or not connected.

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

eFlow104NV, eFlow104N8(D)V, eFlow104N16(D)V:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
eFlow104NXV, eFlow104NX8(D)V, eFlow104NX16(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
eFlow104NV	6.8 lbs. (3.08 kg)	7.7 lbs. (3.49 kg)
eFlow104NXV	8.65 lbs. (3.92 kg)	9.75 lbs. (4.42 kg)
eFlow104N8(D)V	6.95 lbs. (3.15 kg)	7.85 lbs. (3.56 kg)
eFlow104NX8(D)V	8.8 lbs. (3.99 kg)	9.9 lbs. (4.49 kg)
eFlow104N16(D)V	7.1 lbs. (3.22 kg)	8 lbs. (3.63 kg)
eFlow104NX16(D)V	8.95 lbs. (4.06 kg)	10.05 lbs. (4.56 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.): 123 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
- Email and SNMP trap message notifications

