

# 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.



eFlow104N8V

## 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.

## 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 - PD8		2.5A	-	-	✓
eFlow104N16DV	20.0-26.4	20.28-26.4	10A	2.7A	6.3A/250V	15A/32V	700	PD16WCB	16	-	2A	✓	-
eFlow104NX16DV								2 - PD8CB		-	2A	-	✓



# eFlow104NV Series Power Supply/Chargers



## 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.

### Agency Listings

**CE** European Conformity

### 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
- Reports system diagnostics via Email

**LINQ**  
TECHNOLOGY

