

# eFlow104N Series Power Supply/Chargers

## Description

Altronix eFlow104N series power supply/chargers convert a 120VAC, 60Hz input into a single, eight (8), or sixteen (16) fused outputs or PTC protected Class 2 power-limited 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.



eFlow104N8

## Key Features

- Available with 1, 8 or 16 outputs.
- Fused outputs or PTC protected Class 2 power-limited outputs.
- Additional aux. Class 2 power-limited 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.
- UL Listed in the U.S. and Canada.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

**eFlow104N series Power Supply Configuration Reference Chart**

Altronix Model Number	Nominal DC Outputs		Maximum Supply Current for Main and Aux. Outputs (A)	Input Rating: 120VAC, 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]											
eFlow104N	20.17-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	N/A	1	-	-	✓	-
eFlow104NX										-	-	-	✓
eFlow104N8	20.17-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	PD8UL	8	2.5A	-	✓	-
eFlow104NX8										2.5A	-	-	✓
eFlow104N8D	20.0-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	PD8ULCB	8	-	2A	✓	-
eFlow104NX8D										-	2A	-	✓
eFlow104N16	20.17-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	PD16W	16	2.5A	-	✓	-
eFlow104NX16								2 - PD8UL		2.5A	-	-	✓
eFlow104N16D	20.0-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	PD16WCB	16	-	2A	✓	-
eFlow104NX16D								2 - PD8ULCB		-	2A	-	✓



# eFlow104N Series Power Supply/Chargers



## Specifications

### Input

Voltage 120VAC, 60Hz, 4.5A max.  
Fusing 6.3A / 250V.

### Outputs

Voltage 24VDC.  
Current 10A continuous max.  
Protection Fused 2.5A / PTC 2A.  
Auxiliary Class 2 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 120VAC is present.  
DC Output Powered.

### Agency Listings

**UL:**  
UL294 Access Control System Units.  
UL603 Power Supplies for Use with Burglar-Alarms Systems.  
UL1481 Power Supplies for Fire Protective Signaling Systems.  
**cUL:**  
ULC-S318-96 Power Supplies for Burglar Alarm Systems. Also suitable for Access Control.  
**CSFM** California State Fire Marshall Approved.  
**CE** European Conformity

### Physical and Environmental

#### Dimensions (H x W x D)

eFlow104N, eFlow104N8(D), eFlow104N16(D):  
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).  
eFlow104NX, eFlow104NX8(D), eFlow104NX16(D):  
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).

#### Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
eFlow104N	6.8 lbs. (3.08 kg)	7.7 lbs. (3.49 kg)
eFlow104NX	8.65 lbs. (3.92 kg)	9.75 lbs. (4.42 kg)
eFlow104N8(D)	6.95 lbs. (3.15 kg)	7.85 lbs. (3.56 kg)
eFlow104NX8(D)	8.8 lbs. (3.99 kg)	9.9 lbs. (4.49 kg)
eFlow104N16(D)	7.1 lbs. (3.22 kg)	8 lbs. (3.63 kg)
eFlow104NX16(D)	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

