

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 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	Autot-Resettable PTC Outputs Ratings	Accommodates up to 7AH Batteries	Accommodates up to 12AH Batteries
	[DC]	[AUX]											
	24VDC Output Range (volts)	24VDC Output Range (volts)											
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 2 - PD8UL	16	2.5A	-	✓	-
eFlow104NX16										2.5A	-	-	✓
eFlow104N16D	20.0-26.4	20.28-26.4	10A	4.5A	6.3A/250V	15A/32V	700	PD16WCB 2 - PD8ULCB	16	-	2A	✓	-
eFlow104NX16D										-	2A	-	✓



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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.
Battery	Discharged or not connected.

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
- Email and SNMP trap message notifications

