

eFlow104N Series

Power Supply/Chargers



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 European Conformity
- Lifetime Warranty

eFlow104N series Power Supply Configuration Reference Chart

Altronix Model Number	Input Rating: 120VAC, 60Hz	Input Fuse Rating	Battery Fuse Rating	Nominal DC Outputs		Maximum Supply Current for Main and Aux. Outputs (A)	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	4.5A	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	10A	700	N/A	1	—	—	✓	—
eFlow104NX				20.17-26.4	20.28-26.4					—	—	—	✓
eFlow104N8	4.5A	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	10A	700	PD8UL	8	2.5A	—	✓	—
eFlow104NX8				20.17-26.4	20.28-26.4					2.5A	—	—	✓
eFlow104N8D	4.5A	6.3A/250V	15A/32V	20.0-26.4	20.28-26.4	10A	700	PD8ULCB	8	—	2A	✓	—
eFlow104NX8D				20.0-26.4	20.28-26.4					—	2A	—	✓
eFlow104N16	4.5A	6.3A/250V	15A/32V	20.17-26.4	20.28-26.4	10A	700	PD16W	16	2.5A	—	✓	—
eFlow104NX16				20.17-26.4	20.28-26.4			2 - PD8UL		2.5A	—	—	✓
eFlow104N16D	4.5A	6.3A/250V	15A/32V	20.0-26.4	20.28-26.4	10A	700	PD16WCB	16	—	2A	✓	—
eFlow104NX16D				20.0-26.4	20.28-26.4			2 - PD8ULCB		—	2A	—	✓

Lifetime Warranty

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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/32V
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 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
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CSFM

California State Fire Marshall Approved

CE

European Conformity

Physical and Environmental

Dimensions (H x W x D)

eFlow104N, eFlow104N8(D), eFlow104N16(D):

Enclosure: 13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)

Shipping: 15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

eFlow104NX, eFlow104NX8(D), eFlow104NX16(D):

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)

Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
eFlow104NV	6.8 lb. (3.08 kg)	7.7 lb. (3.49 kg)
eFlow104NXV	8.65 lb. (3.92 kg)	9.75 lb. (4.42 kg)
eFlow104N8(D)V	6.95 lb. (3.15 kg)	7.85 lb. (3.56 kg)
eFlow104NX8(D)V	8.8 lb. (3.99 kg)	9.9 lb. (4.49 kg)
eFlow104N16(D)V	7.1 lb. (3.22 kg)	8 lb. (3.63 kg)
eFlow104NX16(D)V	8.95 lb. (4.06 kg)	10.05 lb. (4.56 kg)

Temperature

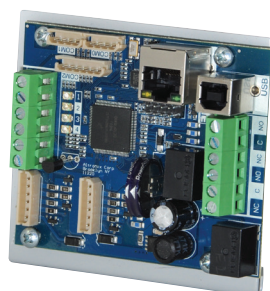
Operating: 0°C to 49°C (32°F to 120°F)

Storage: -20°C to 70°C (-4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.) 123 BTU/Hr.

Accessories (order separately)



LINQ2

LINQ2 - Network Supervision

Altronix 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



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