

eFlow102N Series Power Supply/Chargers

Description

Altronix eFlow102N 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 12VDC 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.



eFlow102N8

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.

eFlow102N 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]											
	12VDC Output Range (volts)	12VDC Output Range (volts)											
eFlow102N	10.03-13.2	10.03-13.2	10A	3.5A	5A/250V	15A/32V	760	N/A	1	-	-	✓	-
eFlow102NX										-	-	-	✓
eFlow102N8	10.03-13.2	10.03-13.2	10A	3.5A	5A/250V	15A/32V	760	PD8UL	8	2.5A	-	✓	-
eFlow102NX8										2.5A	-	-	✓
eFlow102N8D	9.78-13.2	10.03-13.2	10A	3.5A	5A/250V	15A/32V	760	PD8ULCB	8	-	2A	✓	-
eFlow102NX8D										-	2A	-	✓
eFlow102N16	10.03-13.2	10.03-13.2	10A	3.5A	5A/250V	15A/32V	760	PD16W	16	2.5A	-	✓	-
eFlow102NX16								2 - PD8UL		2.5A	-	-	✓
eFlow102N16D	9.78-13.2	10.03-13.2	10A	3.5A	5A/250V	15A/32V	760	PD16WCB	16	-	2A	✓	-
eFlow102NX16D								2 - PD8ULCB		-	2A	-	✓



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Specifications

Input

Voltage 120VAC, 60Hz, 3.5A max.
Fusing 5A / 250V.

Outputs

Voltage 12VDC.
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 (1 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)

eFlow102N, eFlow102N8(D), eFlow102N16(D):
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
eFlow102NX, eFlow102NX8(D), eFlow102NX16(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
eFlow102N	6.55 lbs. (2.97 kg)	7.45 lbs. (3.38 kg)
eFlow102NX	8.4 lbs. (3.81 kg)	9.5 lbs. (4.31 kg)
eFlow102N8(D)	6.7 lbs. (3.04 kg)	7.6 lbs. (3.45 kg)
eFlow102NX8(D)	8.6 lbs. (3.9 kg)	9.7 lbs. (4.4 kg)
eFlow102N16(D)	6.85 lbs. (3.11 kg)	7.75 lbs. (3.52 kg)
eFlow102NX16(D)	8.75 lbs. (3.97 kg)	9.85 lbs. (4.47 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.): 61 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

