

eFlow102N Series

Power Supply/Chargers



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 European Conformity
- Lifetime Warranty

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

Lifetime Warranty

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) 12A /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 71-73% for 12V 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)

eFlow102N, eFlow102N8(D), eFlow102N16(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)

eFlow102NX, eFlow102NX8(D), eFlow102NX16(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
eFlow102N	6.55 lb. (2.97 kg)	7.45 lb. (3.38 kg)
eFlow102NX	8.4 lb. (3.81 kg)	9.5 lb. (4.31 kg)
eFlow102N8(D)	6.7 lb. (3.04 kg)	7.6 lb. (3.45 kg)
eFlow102NX8(D)	8.6 lb. (3.9 kg)	9.7 lb. (4.4 kg)
eFlow102N16(D)	6.85 lb. (3.11 kg)	7.75 lb. (3.52 kg)
eFlow102NX16(D)	8.75 lb. (3.97 kg)	9.85 lb. (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 (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



Lifetime Warranty