A1 SECURITY CAMERAS
The First Name in Security

eFlow6N Series
Power Supply/Chargers

eFlow6N8

Description

Altronix eFlow6N 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 outputs. Outputs are selectable for 12VDC or 24VDC with a total of 6A max. supply current. It also offers a suite of features that includes fire alarm disconnect, overvoltage protection, and low power disconnect which prevents deep discharge of stand-by batteries.

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.

eFlow6N series Power Supply Configuration Reference Chart

Altronix Model Number	Nominal DC Outputs [DC] 12VDC Output Range (volts)	Nominal DC Outputs [DC] 24VDC Output Range (volts)	Nominal DC Outputs [AUX] 12VDC Output Range (volts)	Nominal DC Outputs [AUX] 24VDC Output Range (volts)	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(s)	Number of Outputs	Fused Outputs Ratings	Auto-Resettable PTC Outputs Ratings	Accommodates up to 7AH Batteries	Accommodates up to 12AH Batteries
eFlow6N	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	6A	3.5A	5A/250V	10A/32V	910	N/A	1	–	–	✓	–
eFlow6NX												–	–	–	✓
eFlow6N8	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	6A	3.5A	5A/250V	10A/32V	910	PD8UL	8	2.5A	–	✓	–
eFlow6NX8												2.5A	–	–	✓
eFlow6N8D	9.78-13.2	20.0-26.4	10.03-13.2	20.19-26.4	6A	3.5A	5A/250V	10A/32V	910	PD8ULCB	8	–	2A	✓	–
eFlow6NX8D												–	2A	–	✓
eFlow6N16	10.0-13.2	20.19-26.4	10.03-13.2	20.19-26.4	6A	3.5A	5A/250V	10A/32V	910	PD16W	16	2.5A	–	✓	–
eFlow6NX16										2 - PD8UL		2.5A	–	–	✓
eFlow6N16D	9.78-13.2	20.0-26.4	10.03-13.2	20.19-26.4	6A	3.5A	5A/250V	10A/32V	910	PD16WCB	16	–	2A	✓	–
eFlow6NX16D										2 - PD8ULCB		–	2A	–	✓

Rev. eFlow6N-01302018

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eFLOW™

Altronix®

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Power Supply/Chargers

Specifications

Input

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

Outputs

Voltage	12VDC or 24VDC selectable.
Current	6A 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 or 2 within enclosure). 12AH / 12VDC (requires larger "X" enclosure). 40AH, 65AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	10A @ 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)

eFlow6N, eFlow6N8(D), eFlow6N16(D):
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).

eFlow6NX, eFlow6NX8(D), eFlow6NX16(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
eFlow6N	6.5 lbs. (2.95 kg)	7.4 lbs (3.3) kg
eFlow6NX	8.55 lbs. (3.88 kg)	9.65 lbs (4.38) kg
eFlow6N8(D)	6.65 lbs. (3.02 kg)	7.55 lbs (3.42) kg
eFlow6NX8(D)	8.5 lbs. (3.86 kg)	9.6 lbs (4.35) kg
eFlow6N16(D)	6.8 lbs. (3.08 kg)	7.7 lbs (3.49) kg
eFlow6NX16(D)	8.65 lbs. (3.92 kg)	9.75 lbs (4.42) kg

Temperature

Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
Relative Humidity	85% +/-5%.
BTU/Hr. (approx.):	
	12VDC: 37 BTU/Hr.
	24VDC: 74 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

LINQ TECHNOLOGY

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