



## eFlow6N Series Power Supply/Chargers

### 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.



eFlow6N8

### 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<br>Model<br>Number | Nominal DC Outputs            |                               |                               |                               | Maximum Supply<br>Current for Main and<br>Aux. Outputs (A) | Input Rating:<br>120VAC, 60Hz | Input Fuse Rating | Battery Fuse Rating | Ripple Voltage (mV)<br>Under low battery condition | Power Distribution<br>Module(s) | Number of Outputs | Fused Outputs Ratings | Auto-Resettable<br>PTC Outputs Ratings | Accommodates up to<br>7AH Batteries | Accommodates up to<br>12AH Batteries |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------------------------------------|-------------------------------|-------------------|---------------------|----------------------------------------------------|---------------------------------|-------------------|-----------------------|----------------------------------------|-------------------------------------|--------------------------------------|
|                             | [DC]                          |                               | [AUX]                         |                               |                                                            |                               |                   |                     |                                                    |                                 |                   |                       |                                        |                                     |                                      |
|                             | 12VDC Output<br>Range (volts) | 24VDC Output<br>Range (volts) | 12VDC Output<br>Range (volts) | 24VDC Output<br>Range (volts) |                                                            |                               |                   |                     |                                                    |                                 |                   |                       |                                        |                                     |                                      |
| 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                                     | —                                   | ✓                                    |



## eFlow6N Series 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.<br>Filtered and regulated. |

#### Back-up Battery *(not included)*

|             |                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Capacity    | 7AH / 12VDC (1 or 2 within enclosure).<br>12AH / 12VDC (requires larger "X" enclosure).<br>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

|                                          |                      |
|------------------------------------------|----------------------|
| Access Control                           | UL294.               |
| Burglar Alarm                            | UL603, ULC-S318-96.  |
| Fire Alarm                               | UL1481.              |
| 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 | 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.):

|                   |
|-------------------|
| 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

