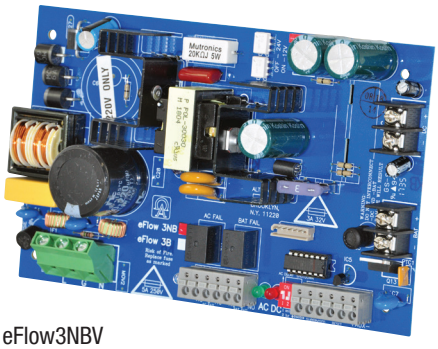
Altronix®

Rev. 08012022

eFlow3NBV

Power Supply/Charger Board

Altronix eFlow3NBV power supply/charger converts a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single 12VDC or 24VDC output. 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.



eFlow3NBV

Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.1A max.
Fuse Rating	5A/250V

Outputs

Voltage	12VDC or 24VDC selectable
Current	2A continuous max.
Auxiliary	1A (unswitched)
Other	Overvoltage protection Filtered and regulated

Battery Charging

Type	Sealed lead acid or gel type
Fuse Rating	3A/32V
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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

Fire Alarm Disconnect

Supervised	Latching or non-latching
EOL	10K Resistor

Indicators (LED)

Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

Agency Listings

CE	European Conformity

Physical and Environmental

Dimensions (L x W x H)

Board: 7.5” x 4.6” x 1.75” (190.5mm x 116.8mm x 44.5mm)
Shipping: 10” x 8” x 4” (254mm x 203.2mm x 101.6mm)

Weight (approx.)

Product Weight:	0.7 lb. (0.32 kg)
Shipping Weight:	0.8 lb. (0.36 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.)	12VDC: 12 BTU/Hr. 24VDC: 25 BTU/Hr.

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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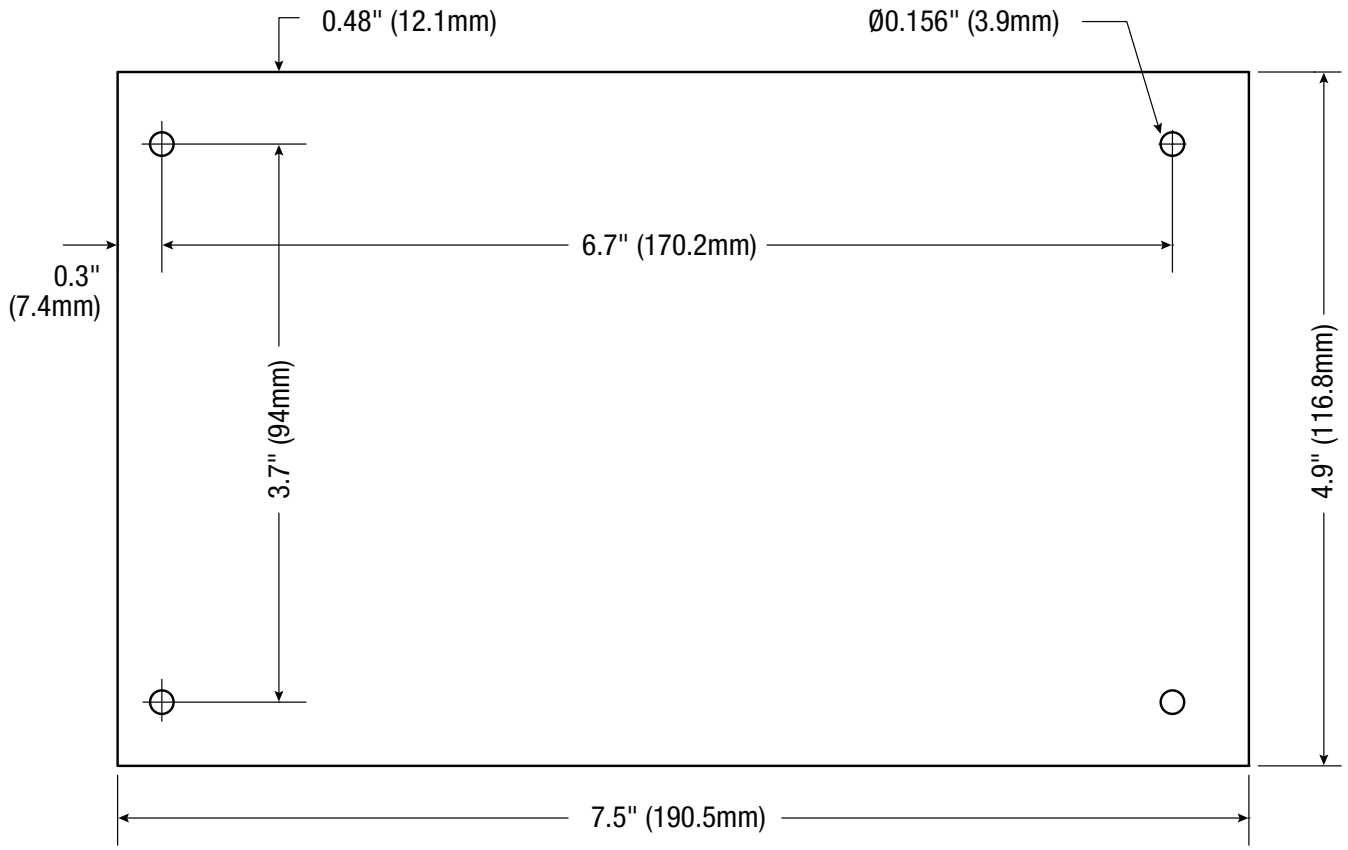
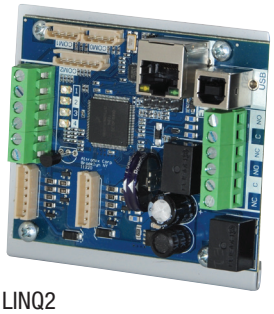
Board Dimensions (L x W x H) and Drawing

7.5” x 4.6” x 1.75” (190.5mm x 116.8mm x 44.5mm)

Mounting Holes’ Tolerance: +/- 0.04 in. (1mm).



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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