Altronix®

eFlow15UB

Auto-ranging Power Supply/Charger (Board)

Altronix eFlow15UB power supply/charger converts a 90-256VAC, 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. eFlow15UB also charges SLA or LiFePO$_4$ batteries. Network communication is provided via Altronix LINQ2 interface (or RS485 protocol when active).

eFlow15UB

Specifications

Input

Voltage	Auto-ranging 90-256VAC, 60Hz, 2.5A Removable AC terminal block
Input Fuse	5A/250V

Output

Voltage	12VDC or 24VDC selectable (switch)
Current	10A continuous max at 24VDC 14A continuous max at 12VDC
Other	Overvoltage & short circuit protection Filtered and regulated

Battery Charging

Voltage	24VDC only
Charging Current	1A
Type	LiFePO$_4$ (Lithium Iron Phosphate), Sealed lead acid (or gel type)
Battery Fuse	20A/32V
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Fire Alarm Disconnect

Supervised	Latching or non-latching
EOL	10K Resistor

Network Communication:

LINQ2 Interface	Remote supervision, control and monitoring over LAN/WAN
RS485 (not active)	Local networking via UTP

Indicators (LED)

System of diagnostic LEDs that constantly monitor and report on board's health and functioning

Supervision

AC Failure	Form "A" normally closed contacts
Low Battery	Form "A" normally closed contacts
Battery Presence	Form "A" normally closed contacts

Low DC Power Shutdown
Shuts down DC output terminals if battery voltage drops below 70-75%. Prevents deep battery discharge

Protection Features

- Brownout detection
- Missing battery detection
- Low power disconnect
- Low charging voltage detection
- Weekly Battery load test
- Critical component failure shutdown
- Processor failure detection/reporting

Agency Listings

CE	European Conformity

Physical and Environmental

Dimensions (L x W x H)
Board: 8.25" x 4.56" x 1.5" (209.5mm x 115.8mm x 38.1mm)
Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.6mm)

Weight (approx.)
Product Weight: 1.1 lb. (0.5 kg)
Shipping Weight: 1.25 lb. (0.57 kg)

Temperature
Operating: 0ºC to 49ºC (32ºF to 120ºF)
Storage: – 20ºC to 70ºC (– 4ºF to 158ºF)

Relative Humidity 85% +/– 5%

BTU/Hr (approx.) 123 BTU/Hr.

Dimensions and Drawing
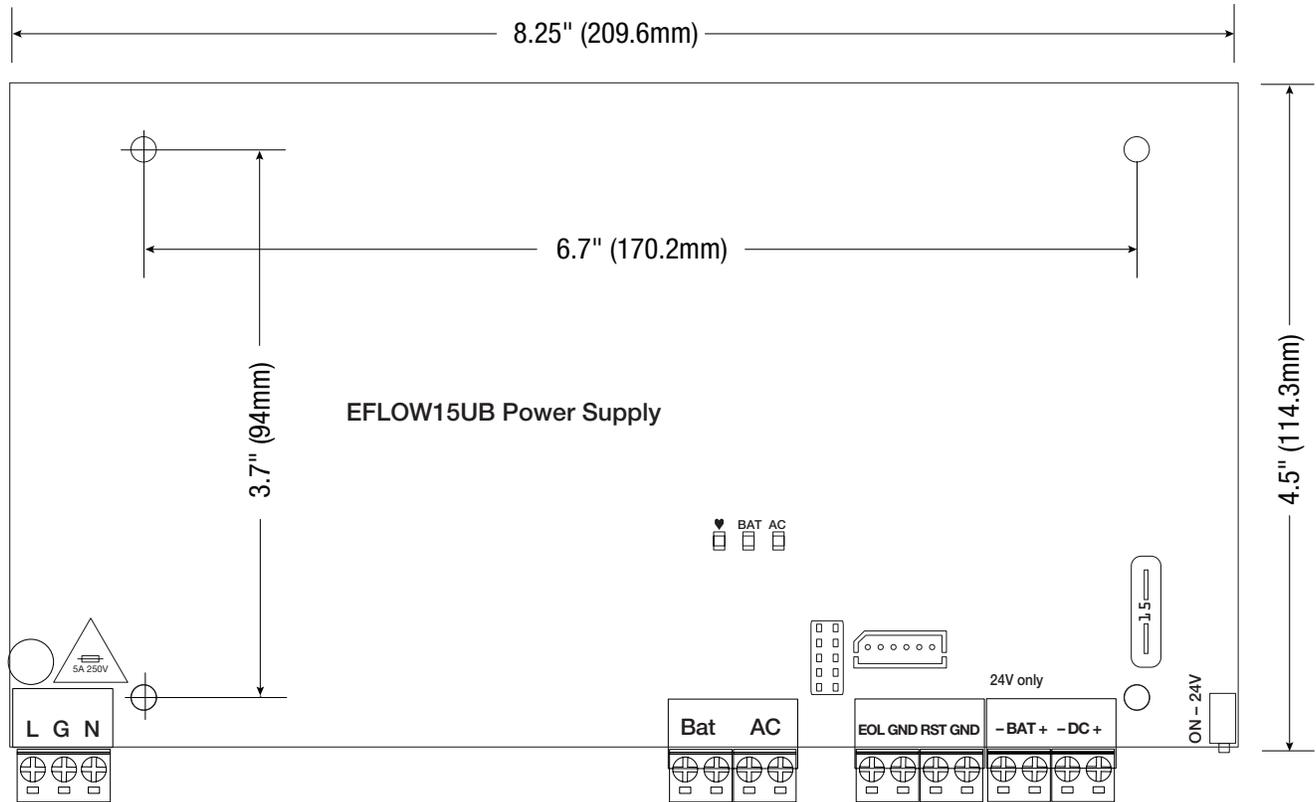
Board Dimensions (L x W x H approximate)
8.25" x 4.56" x 1.5" (209.5mm x 115.8mm x 38.1mm)

Mounting Holes' Tolerance: +/– 0.04 in. (1mm)

8.25" (209.6mm)

6.7" (170.2mm)

3.7" (94mm)

4.5" (114.3mm)

EFLOW15UB Power Supply

BAT AC

5A 250V

L G N

Bat AC

EOL GND RST GND

24V only

− BAT + − DC +

ON – 24V

1.5

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