

## eFlow104NK8DQP

### Networked Dual Voltage Power Supply/Charger



Ordering# EFLOW104NK8DQP

Kit Contents: eFlow104NX with VR6 and LINQ8PDCB sub-assemblies

Altronix eFlow104NK8DQP sub-assembly kit converts a 120VAC 60Hz input into eight (8) PTC protected power-limited outputs. Outputs are individually selectable, providing 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power) for access control panels, door locks, and ancillary devices. Unit includes an unswitched aux. output. It also offers a suite of features that includes fire alarm disconnect, over voltage protection, and low power disconnect which prevents deep discharge of stand-by batteries. Networkable power distribution module facilitates monitoring, reporting, and control of the supervised DC power supply/charger over the network. It reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls.



eFlow104NK8DQP

#### Key Features

- Unit provides 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power)
- Additional aux. Class 2 power-limited output rated @ 1A
- Short circuit and overvoltage protection
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
  - Low power shutdown
- Fire alarm disconnect
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Eight (8) PTC protected power-limited filtered and electronically regulated outputs
- Bi-colored LEDs provide visual verification of voltage on each output
- Stackable sub-assemblies save valuable space
- Built-in LINQ technology facilitates monitoring, reporting, and control of power supply/charger over the network
- Reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls
- Two (2) network controlled Form "C" relays
- Includes management interface software (USB flash drive) and interface cables
- CE European Conformity

#### Lifetime Warranty

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# eFlow104NK8DQP

Networked Dual Voltage Power Supply/Charger



## Specifications

### Power Supply (eFlow104NB):

#### Input

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V

#### Outputs

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
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Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

### 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 70-75% for 24V units (depending on the power supply).  
Prevents deep battery discharge

### Indicators (LED)

AC Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from eFlow104NB
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### Network Power Distribution Module (LINQ8PDCB):

#### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
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Input PTCs	9A
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#### Outputs

PTC protected auto-resettable outputs  
Any of the eight (8) PTC protected power outputs are selectable to follow power Input 1 or Input 2  
Individual outputs may be set to OFF position for servicing

Output PTCs:	2.5A
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### Status Monitoring

Power Supply output voltage and load, Voltage and load of each output  
FACP trigger and reset status, Unit temperature (Celsius)  
Power Supply AC and Battery status, Battery health

### Reporting:

Windows Dashboard Alert messages  
E-mail notifications, Event Log tracks history

### Indicators (LED)

Bat Local	Charging current status
FACP	Triggered / Released
Input	Input signal
Out1 - Out8	Output status

### Agency Listings

CE	European Conformity
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### Physical and Environmental

#### Dimensions (H x W x 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)  
Enclosure accommodates up to two (2) 12VDC/12AH batteries

#### Weight (approx.)

Product:	9.4 lb. (4.26 kg)
Shipping:	10.5 lb. (4.76 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%
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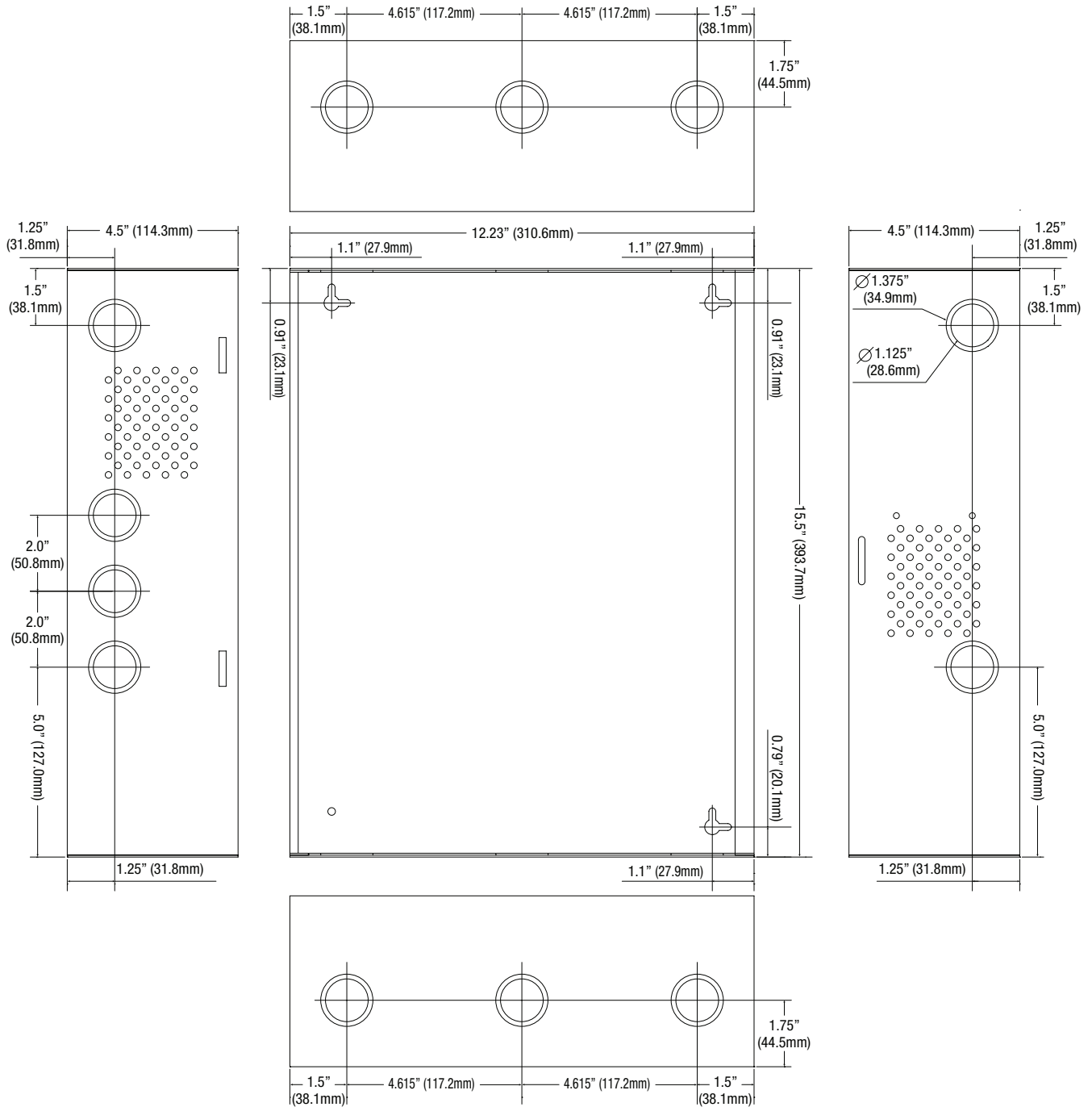
BTU/Hr. (approx.):	123 BTU/Hr.
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### Lifetime Warranty

**Dimensions and Drawing**

Dimensions (H x W x D approximate)

15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)



**Lifetime Warranty**