Altronix®

Rev. 03222023

Maximal FE Series

Expandable Power Systems

MAXIMAL®

Altronix Maximal FE Series Expandable Power Systems provide system designers and installers with optimum power choices and the highest levels of versatility. They provide 12VDC, 24VDC, or 12VDC and 24VDC simultaneously via two (2) single output power supply/chargers. Includes AC fail, low battery, and battery presence monitoring. Enclosure accommodates up to four (4) 12VDC/12AH batteries.

Maximal37FE

Key Features

- Filtered and electronically regulated outputs
- Thermal and short circuit protection with auto reset
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- AC input and DC output LED indicators
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- UL Listed in the U.S. and Canada
- CE European Conformity
- Lifetime Warranty

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

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

Altronix®

Maximal FE Series

Expandable Power Systems

MAXIMAL®

Maximal FE Series Power Supply Configuration Reference Chart

Altronix Model Number	120VAC 60Hz Input Current	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Output Voltage Options		Non Power-Limited Outputs	Class 2 Rated Power-Limited Outputs
				Power Supply 1	Power Supply 2		
Maximal11FE	7.0A	5A/250V	7.5A/32V	**eFlow4NB**	**eFlow4NB**	–	2
				12VDC @ 4A	12VDC @ 4A		
				12VDC @ 4A	24VDC @ 3A		
				24VDC @ 3A	24VDC @ 3A		
Maximal13FE	7.0A	5A/250V	7.5A/32V	**eFlow6NB**	**eFlow4NB**	1	1
				12VDC @ 6A	12VDC @ 4A		
				24VDC @ 6A	12VDC @ 4A		
				12VDC @ 6A	24VDC @ 3A		
				24VDC @ 6A	24VDC @ 3A		
Maximal33FE	7.0A	5A/250V	10A/32V	**eFlow6NB**	**eFlow6NB**	2	–
				12VDC @ 6A	12VDC @ 6A		
				12VDC @ 6A	24VDC @ 6A		
				24VDC @ 6A	24VDC @ 6A		
Maximal35FE	7.0A	5A/250V	10A/32V (eFlow6NB) 15A/32V (eFlow102NB)	**eFlow102NB**	**eFlow6NB**	2	–
				12VDC @ 10A	12VDC @ 6A		
				12VDC @ 10A	24VDC @ 6A		
Maximal37FE	8.0A	5A/250V (eFlow6NB) 6.3A/250V (eFlow104NB)	10A/32V (eFlow6NB) 15A/32V (eFlow104NB)	**eFlow104NB**	**eFlow6NB**	2	–
				24VDC @ 10A	12VDC @ 6A		
				24VDC @ 10A	24VDC @ 6A		
Maximal55FE	7.0A	5A/250V	15A/32V	**eFlow102NB**	**eFlow102NB**	2	–
				12VDC @ 10A	12VDC @ 10A		
Maximal75FE	8.0A	5A/250V (eFlow102NB) 6.3A/250V (eFlow104NB)	15A/32V	**eFlow104NB**	**eFlow102NB**	2	–
				24VDC @ 10A	12VDC @ 10A		
Maximal77FE	9.0A	6.3A/250V	15A/32V	**eFlow104NB**	**eFlow104NB**	2	–
				24VDC @ 10A	24VDC @ 10A		

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

Altronix®

Maximal FE Series

Expandable Power Systems

MAXIMAL®

Specifications

Input

Voltage	120VAC, 60Hz
Input Fuse	Varies, see Reference Chart

Outputs

Voltage	12VDC or 24VDC, see Reference Chart
Current	Varies, see Reference Chart
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	12AH/12VDC (4 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	Varies, see Reference Chart
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

Indicators (LED)

Input	120VAC is present
DC Output	Powered

Agency Listings

UL:

UL294	Access Control System Units

cUL:

ULC-S319-05	Electronic Access Control Systems Class I equipment
CSA C22.2 No.205	Signal Equipment
CSFM	California State Fire Marshall Approved
CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure:
26" x 19" x 6.25" (660.4mm x 482.6mm x 158.8mm)
Shipping:
31" x 23" x 8.25" (787.4mm x 584.2mm x 209.6mm)
Enclosure accommodates up to four (4) 12VDC/12AH batteries

Weight (approx.)

Model	Product Weight	Shipping Weight
Maximal11FE	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal13FE	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal33FE	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal35FE	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal37FE	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal55FE	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal75FE	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal77FE	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%

BTU/Hr (approx.)

Model	12VDC	24VDC	12 and 24VDC
Maximal11FE	48	74	98
Maximal13FE	61	123	98 or 86*
Maximal33FE	74	148	111
Maximal35FE	98	N/A	130
Maximal37FE	N/A	197	160
Maximal55FE	123	N/A	N/A
Maximal75FE	N/A	N/A	184
Maximal77FE	N/A	246	N/A

*Depending on Power Supplies' settings

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

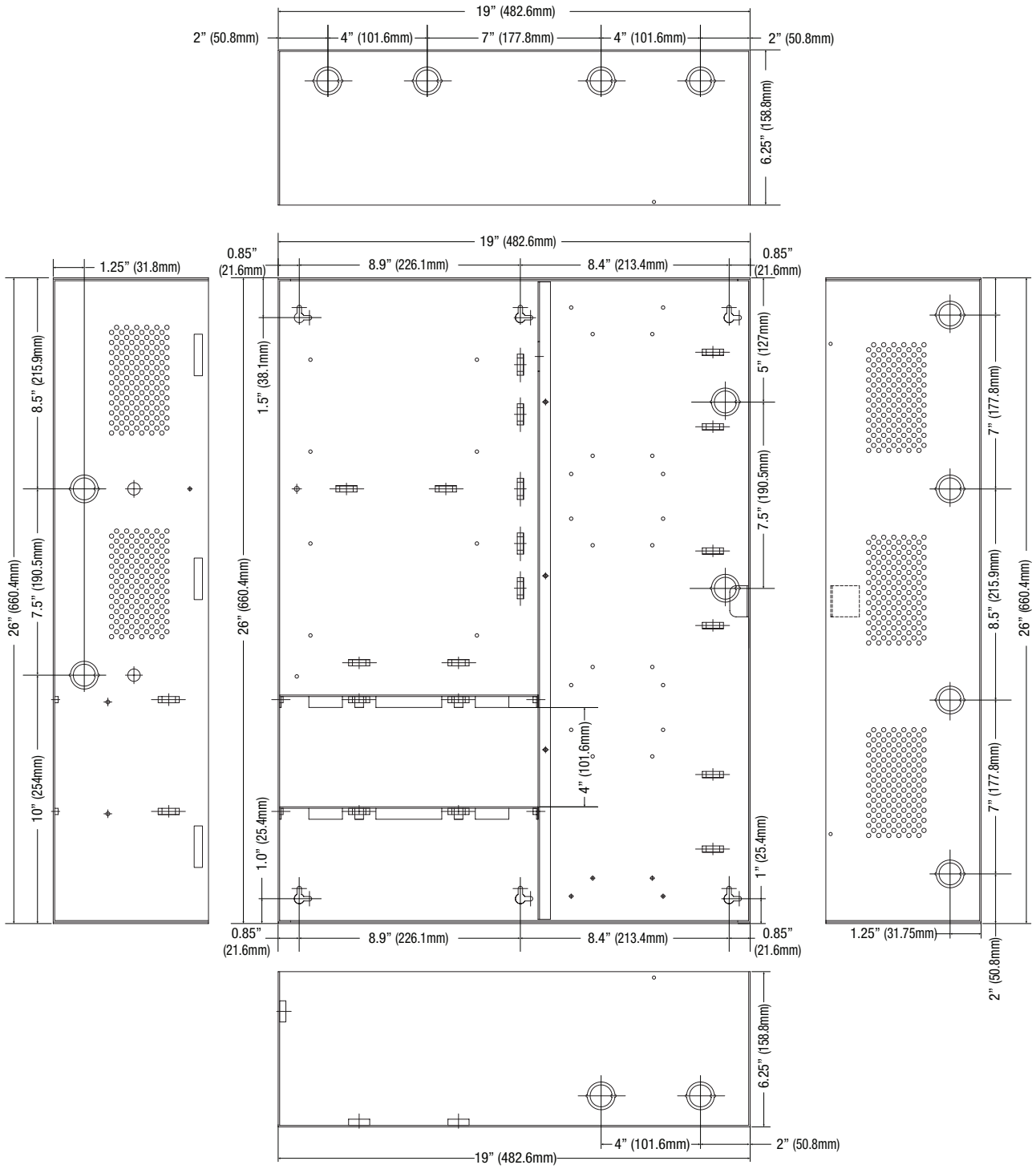
Altronix®

Maximal FE Series

Expandable Power Systems

MAXIMAL®

Dimensions and Drawing

Dimensions (H x W x D approximate)

26” x 19” x 6.25” (660.4mm x 482.6mm x 158.8mm)