

Maximal FEV Series

Expandable Power Systems

Altronix Maximal FEV 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.



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
- CE European Conformity
- Lifetime Warranty

Accessories (order separately)



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

Lifetime Warranty

Maximal FEV Series Power Supply Configuration Reference Chart

Altronix Model Number	220VAC 50/60Hz Input Current	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Output Voltage Options		Non Power-Limited Outputs	Power-Limited Outputs
				Power Supply 1	Power Supply 2		
Maximal11FEV	4.2A	5A/250V	7.5A/32V	eFlow4NBV	eFlow4NBV	-	2
				12VDC @ 4A	12VDC @ 4A		
				12VDC @ 4A	24VDC @ 3A		
				24VDC @ 3A	24VDC @ 3A		
Maximal13FEV	4.2A	5A/250V	7.5A/32V	eFlow6NBV	eFlow4NBV	1	1
				12VDC @ 6A	12VDC @ 4A		
				24VDC @ 6A	12VDC @ 4A		
				12VDC @ 6A	24VDC @ 3A		
Maximal33FEV	4.2A	5A/250V	10A/32V	eFlow6NBV	eFlow6NBV	2	-
				12VDC @ 6A	12VDC @ 6A		
				12VDC @ 6A	24VDC @ 6A		
				24VDC @ 6A	24VDC @ 6A		
Maximal35FEV	4.2A	5A/250V	10A/32V (eFlow6NBV) 15A/32V (eFlow102NBV)	eFlow102NBV	eFlow6NBV	2	-
				12VDC @ 10A	12VDC @ 6A		
				12VDC @ 10A	24VDC @ 6A		
Maximal37FEV	4.8A	5A/250V (eFlow6NBV) 6.3A/250V (eFlow104NBV)	10A/32V (eFlow6NBV) 15A/32V (eFlow104NBV)	eFlow104NBV	eFlow6NBV	2	-
				24VDC @ 10A	12VDC @ 6A		
				24VDC @ 10A	24VDC @ 6A		
Maximal55FEV	4.2A	5A/250V	15A/32V	eFlow102NBV	eFlow102NBV	2	-
				12VDC @ 10A	12VDC @ 10A		
Maximal75FEV	4.8A	5A/250V (eFlow102NBV) 6.3A/250V (eFlow104NBV)	15A/32V	eFlow104NBV	eFlow102NBV	2	-
				24VDC @ 10A	12VDC @ 10A		
Maximal77FEV	5.6A	6.3A/250V	15A/32V	eFlow104NBV	eFlow104NBV	2	-
				24VDC @ 10A	24VDC @ 10A		

Lifetime Warranty

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Specifications

Input

Voltage 220VAC (working range 198VAC - 256VAC), 50/60Hz
 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 220VAC is present
 DC Output Powered

Agency Listings

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
Maximal11FEV	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal13FEV	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal33FEV	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal35FEV	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal37FEV	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal55FEV	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal75FEV	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal77FEV	42.3 lb. (19.17 kg)	46.3 lb. (21.00 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.)

Model	12VDC	24VDC	12 and 24VDC
Maximal11FEV	48	74	98
Maximal13FEV	61	123	98 or 86*
Maximal33FEV	74	147	111
Maximal35FEV	98	N/A	130
Maximal37FEV	N/A	197	160
Maximal55FEV	123	N/A	N/A
Maximal75FEV	N/A	N/A	184
Maximal77FEV	N/A	246	N/A

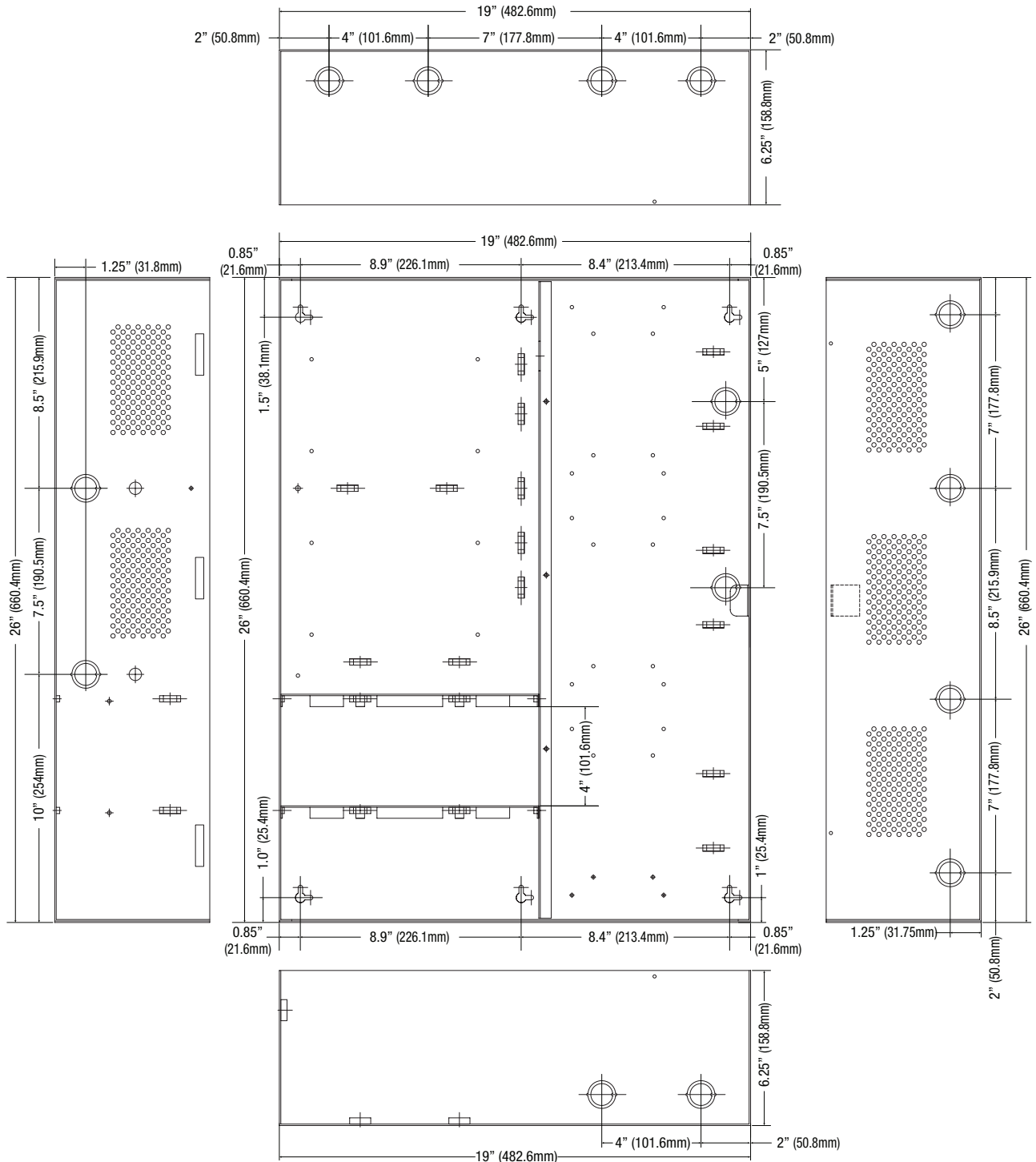
*Depending on Power Supplies' settings

Lifetime Warranty

Dimensions and Drawing

Dimensions (H x W x D approximate)

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



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