

Maximal E Series

Expandable Power Systems

Altronix Maximal Expandable Power Systems provide system designers and installers with maximum 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. Custom enclosure facilitates up to four (4) 12VDC/12AH batteries.

 MAXIMAL[®]

Key Features

- Filtered and electronically regulated outputs
- Thermal and short circuit protection with auto reset.
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
- 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
- Lifetime Warranty

Lifetime Warranty



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Maximal E Series Power Supply Configuration Reference Chart

Altronix Model Number	115VAC 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		
Maximal11E	7.0A	5A/250V	15A/32V	AL400ULXB2	AL400ULXB2	-	2
				12VDC @ 4A	12VDC @ 4A		
				12VDC @ 4A	24VDC @ 3A		
				24VDC @ 3A	24VDC @ 3A		
Maximal13E	7.0A	5A/250V	15A/32V (AL400ULXB2)	AL600ULXB	AL400ULXB2	1	1
				12VDC @ 6A	12VDC @ 4A		
				24VDC @ 6A	12VDC @ 4A		
				12VDC @ 6A	24VDC @ 3A		
				24VDC @ 6A	24VDC @ 3A		
Maximal33E	7.0A	5A/250V	-	AL600ULXB	AL600ULXB	2	-
				12VDC @ 6A	12VDC @ 6A		
				12VDC @ 6A	24VDC @ 6A		
				24VDC @ 6A	24VDC @ 6A		
Maximal35E	6.1A	5A/250V	15A/32V (AL1012ULXB)	AL1012ULXB	AL600ULXB	2	-
				12VDC @ 10A	12VDC @ 6A		
				12VDC @ 10A	24VDC @ 6A		
Maximal37E	7.9A	5A/250V	15A/32V (AL1024ULXB2)	AL1024ULXB2	AL600ULXB	2	-
				24VDC @ 10A	12VDC @ 6A		
				24VDC @ 10A	24VDC @ 6A		
Maximal55E	5.2A	5A/250V	15A/32V	AL1012ULXB	AL1012ULXB	2	-
				12VDC @ 10A	12VDC @ 10A		
Maximal75E	7.0A	5A/250V	15A/32V	AL1024ULXB2	AL1012ULXB	2	-
				24VDC @ 10A	12VDC @ 10A		
Maximal77E	8.8A	5A/250V	15A/32V	AL1024ULXB2	AL1024ULXB2	2	-
				24VDC @ 10A	24VDC @ 10A		

Lifetime Warranty

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Specifications

Input

Voltage 115VAC, 60Hz
Input Fuse 5A/250V

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

Indicators (LED)

Input 115VAC is present
DC Output Powered
Battery Discharged or not connected

Agency Listings

UL:
UL294 Access Control System Units
cUL:
C22.2 No.205-M1983
General Signaling Equipment
CSFM California State Fire Marshall Approved

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
Maximal11E	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal13E	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal33E	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal35E	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal37E	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal55E	43.5 lb. (19.73 kg)	47.5 lb. (21.55 kg)
Maximal75E	42.3 lb. (19.17 kg)	46.3 lb. (21.00 kg)
Maximal77E	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
Maximal11E	43	66	55
Maximal13E	45	82	45 or 82*
Maximal33E	74	147	111
Maximal35E	98	N/A	130
Maximal37E	N/A	197	160
Maximal55E	123	N/A	N/A
Maximal75E	N/A	N/A	184
Maximal77E	N/A	246	N/A

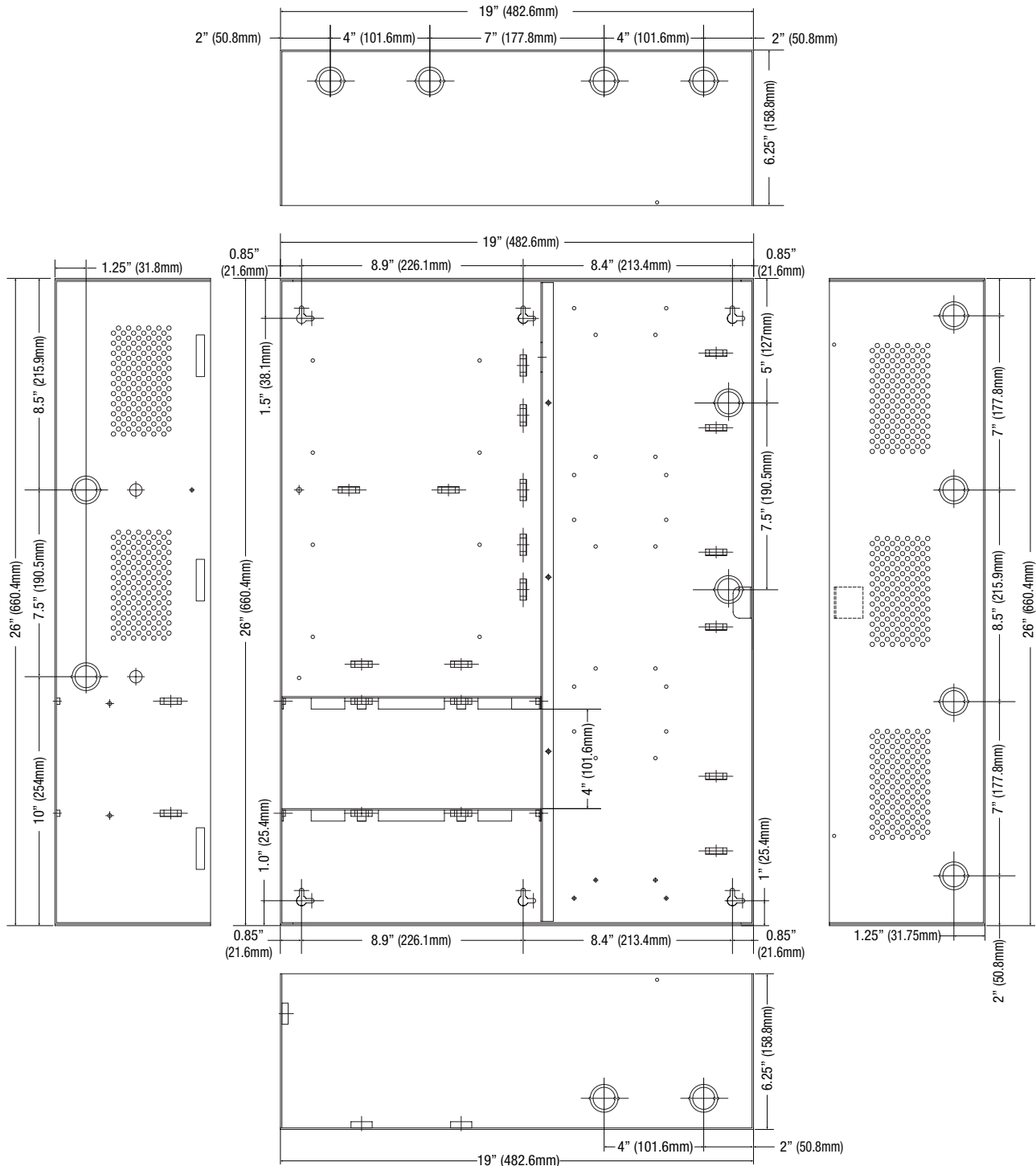
*Depending on Power Supplies' settings

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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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