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MAXIMAL®

Altronix®

Maximal E Series
Expandable Power Systems

Maximal35E

Description

Maximal Expandable Power System 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.

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 / Made in the U.S.A.

Maximal E Series Power Supply Configuration Reference Chart

Altronix Model Number	Output Voltage Options		Non Power-Limited Outputs	Class 2 Rated Power-Limited Outputs	115VAC 60 Hz Input Current	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating
	Power Supply 1	Power Supply 2					
Maximal11E	**AL400ULXB2**	**AL400ULXB2**	–	2	7.0A	5A/250V	15A/32V
	12VDC @ 4A	12VDC @ 4A					
	12VDC @ 4A	24VDC @ 3A					
	24VDC @ 3A	24VDC @ 3A					
Maximal13E	**AL600ULXB**	**AL400ULXB2**	1	1	7.0A	5A/250V	15A/32V (AL400ULXB2)
	12VDC @ 6A	12VDC @ 4A					
	24VDC @ 6A	12VDC @ 4A					
	12VDC @ 6A	24VDC @ 3A					
	24VDC @ 6A	24VDC @ 3A					
Maximal33E	**AL600ULXB**	**AL600ULXB**	2	–	7.0A	5A/250V	–
	12VDC @ 6A	12VDC @ 6A					
	12VDC @ 6A	24VDC @ 6A					
	24VDC @ 6A	24VDC @ 6A					
Maximal35E	**AL1012ULXB**	**AL600ULXB**	2	–	6.1A	5A/250V	15A/32V (AL1012ULXB)
	12VDC @ 10A	12VDC @ 6A					
	12VDC @ 10A	24VDC @ 6A					
Maximal37E	**AL1024ULXB2**	**AL600ULXB**	2	–	7.9A	5A/250V	15A/32V (AL1024ULXB2)
	24VDC @ 10A	12VDC @ 6A					
	24VDC @ 10A	24VDC @ 6A					
Maximal55E	**AL1012ULXB**	**AL1012ULXB**	2	–	5.2A	5A/250V	15A/32V
	12VDC @ 10A	12VDC @ 10A					
Maximal75E	**AL1024ULXB2**	**AL1012ULXB**	2	–	7.0A	5A/250V	15A/32V
	24VDC @ 10A	12VDC @ 10A					
Maximal77E	**AL1024ULXB2**	**AL1024ULXB2**	2	–	8.8A	5A/250V	15A/32V
	24VDC @ 10A	24VDC @ 10A					

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Available from A1 Security Cameras
www.a1securitycameras.com email: sales@a1securitycameras.com

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Specifications

Input

Voltage	115VAC, 60Hz.
Fusing	5A/250V.

Outputs

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

Back-up Battery *(not included)*

Capacity	12AH / 12VDC (Up to 4 within enclosure). 40 AH / 65 AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	15A @ 32VDC AL600ULXB does not have a battery fuse.
Failover	Upon AC loss, instantaneous.

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)

26” x 19” x 6.25” (660.4mm x 482.6mm x 158.75mm).

Weight (approx.)

Model	Product Weight	Shipping Weight
Maximal11E	42.3 lbs. (19.17 kg)	46.3 lbs. (21.00 kg)
Maximal13E	42.3 lbs. (19.17 kg)	46.3 lbs. (21.00 kg)
Maximal33E	43.5 lbs. (19.73 kg)	47.5 lbs. (21.55 kg)
Maximal35E	43.5 lbs. (19.73 kg)	47.5 lbs. (21.55 kg)
Maximal37E	42.3 lbs. (19.17 kg)	46.3 lbs. (21.00 kg)
Maximal55E	43.5 lbs. (19.73 kg)	47.5 lbs. (21.55 kg)
Maximal75E	42.3 lbs. (19.17 kg)	46.3 lbs. (21.00 kg)
Maximal77E	42.3 lbs. (19.17 kg)	46.3 lbs. (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
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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