

AL1024ULX Series Power Supply/Chargers

Description

Altronix AL1024ULX series are power supply/chargers that convert a 115VAC, 60Hz input into a single fused, four (4), eight (8) or sixteen (16) fuse or PTC protected outputs. Outputs are 24VDC with a total of 10A max.



Key Features

- Available with 1, 4, 8 or 16 outputs.
- Fused or PTC protected outputs.
- Supervision
 - AC Fail;
 - Battery Fail and Battery Presence.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- Short circuit and overload protection.
- AC input and DC output options.
- UL Listed in the U.S. and Canada.
- CSFM and MEA Approved.
- Lifetime Warranty / Made in the U.S.A.
- All units are available in grey or red enclosure.

AL1024ULX Series Power Supply Configuration Reference Chart

Altronix Model Number	Total Output Rating (A)	Input Rating: 115VAC, 60Hz	Input Fuse Rating	Power Supply Output Fuse Rating	Power Distribution Module(s)	Number of Outputs	Class 2 Rated Power- Limited Auto-Resettable Output(s)	Fused Outputs Ratings	PTC Outputs Ratings
AL1024ULX	10A	4.2A	5A/250V	15A/32V	—	1	—	10A	—
AL1024ULXPD4					PD4UL	4	—	3.5A	—
AL1024ULXPD4CB					PD4ULCB	4	✓	—	2.5A
AL1024ULXPD8					PD8UL	8	—	3.5A	—
AL1024ULXPD8CB					PD8ULCB	8	✓	—	2.5A
AL1024ULXPD16					Two (2) PD8UL	16	—	3.5A	—
AL1024ULXPD16CB					Two (2) PD8ULCB	16	✓	—	2.5A

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Specifications

Input

Voltage	115VAC 60Hz, 4.2A max.
Fusing	5A / 250V.

Outputs

Voltage	24VDC.
Current	10A @ 24VDC continuous max.
Protection	Fused 3.5A / PTC 2.5A.
Other	Overvoltage protection. Filtered and regulated.

Back-up Battery *(not included)*

Capacity	12AH / 12VDC (2 within enclosure). 40 AH / 65 AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
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

All Models:

UL:	
UL294	Access Control System Units.
UL1481	Power Supplies for Fire Protective Signaling Systems.

cUL:

CSA C22.2 No.205	Signal Equipment.
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AL1024ULX only:

CSFM	California State Fire Marshall Approved.
MEA	NYC Department of Buildings Approved.
FM	Factory Mutual Approved.

Physical and Environmental

Dimensions (H x W x D)

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

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL1024ULX	9.25 lbs. (4.2 kg)	11.55 lbs. (5.24 kg)
AL1024ULXPD4(CB)	9.4 lbs. (4.6 kg)	11.7 lbs. (5.3 kg)
AL1024ULXPD8(CB)	9.5 lbs. (4.3 kg)	11.8 lbs. (5.35 kg)
AL1024ULXPD16(CB)	9.75 lbs. (4.42 kg)	12.1 lbs. (5.49 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.):	123 BTU/Hr.