

AL300ULX Series Power Supply/Chargers

Description

Altronix AL300ULX series power supply/chargers convert a 115VAC, 60Hz input into a single fused, four (4), eight (8) or sixteen (16) fuse or PTC protected outputs. Outputs are selectable for 12VDC or 24VDC with a total of 2.5A 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*.

*AL300ULXJ's enclosure is red. For grey enclosure order model AL300ULXJG

AL300ULX 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	Number of Outputs	Fused Outputs Ratings	PTC Auto-Resettable Outputs Ratings	Accommodates Batteries
AL300ULX	2.5A	3.5A	5A/250V	15A/32V	N/A	1	3.5A	—	Two (2) 7AH
AL300ULXX									Two (2) 12AH
AL300ULXJ(G)									Two (2) 18AH
AL300ULPD4					PD4UL	4	3.5A	—	Two (2) 7AH
AL300ULPD4CB					PD4ULCB	4	—	2.5A	Two (2) 7AH
AL300ULPD8					PD8UL	8	3.5A	—	Two (2) 7AH
AL300ULPD8CB					PD8ULCB	8	—	2.5A	Two (2) 7AH
AL300ULXPD16					Two (2) PD8UL	16	3.5A	—	Two (2) 12AH
AL300ULXPD16CB					Two (2) PD8ULCB	16	—	2.5A	Two (2) 12AH

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Specifications

Input

Voltage 115VAC, 60Hz, 3.5A max.
Fusing 5A / 250V.

Outputs

Voltage 12VDC or 24VDC selectable.
Current 2.5A power-limited continuous max.
Protection Fused 3.5A / PTC 2.5A.
Other Overvoltage protection.
Filtered and regulated.
PTC protected outputs are auto-resettable.

Back-up Battery *(not included)*

Capacity 7AH / 12VDC (1 or 2 within enclosure).
12AH / 12VDC (requires larger "X" enclosure).
18AH / 12VDC (requires larger "J" enclosure).
40 AH / 65 AH (requires separate enclosure).
Type Sealed lead acid or gel type.
Charging current 0.7A.
Fuse Rating 15A @ 32VDC.
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.
UL603 Power Supplies for Use with Burglar-Alarms Systems.
UL 1069 UL Listed Hospital Signaling and Nurse Call Equipment.
UL1481 Power Supplies for Fire Protective Signaling Systems.

cUL:

CSA C22.2 No.205 Signal Equipment.

AL300ULX, AL300ULXX and AL300ULXJ only:

CSFM California State Fire Marshall Approved.

Physical and Environmental

Dimensions (H x W x D)

AL300ULX, AL300ULPD4(CB), AL300ULPD8(CB):
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.6mm).
AL300ULXX, AL300ULXPD16(CB):
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).
AL300ULXJ:
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm).

Product / Shipping Weight (approx.)

Model	Product Weight	Shipping Weight
AL300ULX	6.65 lbs. (3.1 kg)	8.45 lbs (3.83 kg)
AL300ULXX	8.25 lbs. (3.75 kg)	10.55 lbs. (4.79 kg)
AL300ULXJ(G)	11.5 lbs. (5.22 kg)	13.7 lbs (6.21 kg)
AL300ULPD4(CB)	6.8 lbs. (3.1 kg)	8.6 lbs (3.9 kg)
AL300ULPD8(CB)	6.9 lbs. (3.13 kg)	8.7 lbs (3.95 kg)
AL300ULXPD16(CB)	8.55 lbs. (3.88 kg)	10.85 lbs. (4.92 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 BTU/Hr. (approx.):

12VDC: 15 BTU/Hr.
24VDC: 31 BTU/Hr.