

AL300X220 Series Power Supply/Chargers

Description

Altronix AL300X220 series power supply/chargers convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single, four (4), eight (8) or sixteen (16) fuse/PTC protected outputs. Outputs are selectable for 12VDC or 24VDC with a total of 2.5A max.



AL300PD8220

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.
- Lifetime Warranty / Made in the U.S.A.
- All units are available in grey or red enclosure.

AL300X220 series Power Supply Configuration Reference Chart

Altronix Model Number	Total Output Rating (A)	Input Rating: 220VAC, 50/60Hz	Input Fuse Rating	Power Supply Battery Fuse Rating	Power Distribution Module(s)	Number of Outputs	Fused Outputs Ratings	PTC Auto-Resettable Outputs Ratings	Accommodates Batteries	
AL300X220	2.5A	1.7A	5A/250V	15A/32V	N/A	1	3.5A	—	Two (2) 7AH	
AL300XX220									Two (2) 12AH	
AL300XJ220									Two (2) 18AH	
AL300PD4220					PD4	4	3.5A	—	Two (2) 7AH	
AL300XPD4220									Two (2) 12AH	
AL300PD4CB220									Two (2) 7AH	
AL300XPDCB4220					PD4CB	8	—	2.5A	Two (2) 12AH	
AL300PD8220					PD8		3.5A	—	Two (2) 7AH	
AL300XPD8220									Two (2) 12AH	
AL300PD8CB220					PD8CB		—	2.5A	Two (2) 7AH	
AL300XPD8CB220									Two (2) 12AH	
AL300XPD16220					Two (2) PD8	16	3.5A	—	Two (2) 12AH	
AL300XPD16CB220					Two (2) PD8CB		—	2.5A	Two (2) 12AH	

AL300X220 Series Power Supply/Chargers



Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 1.7A max.
Fusing	5A / 250V.

Outputs

Voltage	12VDC or 24VDC selectable.
Current	2.5A continuous max.
Protection	Fused 3.5A / PTC 2.5A.
Other	Overvoltage protection. Filtered and regulated.

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.
Fuse Rating	15A @ 32VDC.
Failover	Upon AC loss, instantaneous.

Supervision

AC Failure	Form "C" contacts.
Battery	Form "C" contacts.

Indicators (LED)

Input	220VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

Physical and Environmental

Dimensions (H x W x D)

AL300X220, AL300PD4(CB)220, AL300PD8(CB)220:	13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
AL300XX220, AL300XP4(CB)220, AL300XP8(CB)220, AL300XP16(CB)220:	15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).
AL300XJ220:	18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm).

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL300X220	6.65 lbs. (3.1 kg)	8.45 lbs (3.83 kg)
AL300XX220	8.25 lbs. (3.75 kg)	10.55 lbs. (4.79 kg)
AL300XJ220	11.5 lbs. (5.22 kg)	13.7 lbs (6.21 kg)
AL300PD4(CB)220	6.8 lbs. (3.1 kg)	8.6 lbs (3.9 kg)
AL300XP4(CB)220	8.4 lbs. (3.81 kg)	10.7 lbs. (4.85 kg)
AL300PD8(CB)220	6.9 lbs. (3.13 kg)	8.7 lbs (3.95 kg)
AL300XP8(CB)220	8.5 lbs. (3.86 kg)	10.8 lbs. (4.9 kg)
AL300XP16(CB)220	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	85% +/-5%.
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BTU/Hr. (approx.):

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