

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	-	2.5A	Two (2) 12AH	
AL300PD8220					PD8	8	3.5A	-	Two (2) 7AH
AL300XPD8220									Two (2) 12AH
AL300PD8CB220									Two (2) 7AH
AL300XPDCB8220									Two (2) 12AH
AL300XPD16220					Two (2) PD8	16	3.5A	-	Two (2) 12AH
AL300XPD16CB220									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%.

BTU/Hr. (approx.):

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