

AL600X220 Series

Power Supply/Chargers

Description

Altronix AL600X220 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 6A max.



AL600PD8220

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

AL600X220 series Power Supply Configuration Reference Chart

Altronix Model Number	Total Output Rating (A)	Input Rating: 220VAC, 50/60Hz	Input Fuse Rating	Power Distribution Module(s)	Number of Outputs	Fused Outputs Ratings	PTC Auto-Resettable Outputs Ratings	Accommodates Batteries
AL600X220	6A	1.5A	5A/250V	N/A	1	6A	—	Two (2) 7AH
AL600XX220								Two (2) 12AH
AL600PD4220				PD4	4	3.5A	—	Two (2) 7AH
AL600XPD4220								Two (2) 12AH
AL600PD4CB220				PD4CB	4	—	2.5A	Two (2) 7AH
AL600XPD4CB220								Two (2) 12AH
AL600PD8220				PD8	8	3.5A	—	Two (2) 7AH
AL600XPD8220								Two (2) 12AH
AL600PD8CB220				PD8CB	8	—	2.5A	Two (2) 7AH
AL600XPD8CB220								Two (2) 12AH
AL600XPD16220				Two (2) PD8	16	3.5A	—	Two (2) 12AH
AL600XPD16CB220				Two (2) PD8CB		—	2.5A	Two (2) 12AH

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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 1.5A max.
Fusing	5A / 250V.

Outputs

Voltage	12VDC or 24VDC selectable.
Current	6A @ 12VDC or 24VDC 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). 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	220VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

AL600X220, AL600PD4(CB)220, AL600PD8(CB)220:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
AL600XX220, AL600XPD4(CB)220, AL600XPD8(CB)220,
AL600XPD16(CB)220:
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL600X220	7.05 lbs. (3.2 kg)	8.9 lbs. (4.1 kg)
AL600XX220	8.65 lbs. (3.92 kg)	10.95 lbs. (4.97 kg)
AL600PD4(CB)220	7.2 lbs. (3.27 kg)	9.05 lbs. (4.1 kg)
AL600XPD4(CB)220	8.7 lbs. (3.95 kg)	11.1 lbs. (5.03 kg)
AL600PD8(CB)220	7.3 lbs. (3.31 kg)	9.15 lbs. (4.15 kg)
AL600XPD8(CB)220	8.8 lbs. (4.0 kg)	11.2 lbs. (5.08 kg)
AL600XPD16(CB)220	8.95 lbs. (4.06 kg)	11.25 lbs. (5.1 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: 37 BTU/Hr.
24VDC: 74 BTU/Hr.