

AL1024X220 Series Power Supply/Chargers

Description

Altronix AL1024X220 series power supply/chargers convert a 220VAC (working range 198VAC-256VAC), 50/60Hz input into a single fused, four (4), eight (8) or sixteen (16) fuse/PTC protected outputs. Outputs are 24VDC with a total of 10A max.



AL1024XPD8CB220

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.

AL1024X220 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 Output(s)	Fused Outputs Ratings	PTC Auto-Resettable Outputs Ratings
AL1024X220	10A	2.5A	5A/250V	15A/32V	—	1	10A	—
AL1024XPD4220					PD4	4	3.5A	—
AL1024XPD4CB220					PD4CB		—	2.5A
AL1024XPD8220					PD8	8	3.5A	—
AL1024XPD8CB220					PD8CB		—	2.5A
AL1024XPD16220					Two (2) PD8	16	3.5A	—
AL1024XPD16CB220					Two (2) PD8CB		—	2.5A

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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.5A 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	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)

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

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL1024X220	9.25 lbs. (4.2 kg)	11.55 lbs. (5.24 kg)
AL1024XPD4(CB)220	9.4 lbs. (4.6 kg)	11.7 lbs. (5.3 kg)
AL1024XPD8(CB)220	9.5 lbs. (4.3 kg)	11.8 lbs. (5.35 kg)
AL1024XPD16(CB)220	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.