

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
- 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

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.