Altronix®

Rev. 06282023

AL1012X220 Series

Power Supply/Chargers

Altronix AL1012X220 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 or PTC protected outputs. Outputs are 12VDC with a total of 10A max.

AL1012XPD8220

Key Features

- Available with 1, 4, 8 or 16 outputs
- Fused or PTC ptotected 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

AL1012X220 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
AL1012X220	10A	1.3A	5A/ 250V	15A/ 32V	–	1	10A	–
AL1012XPD4220					PD4	4	3.5A	–
AL1012XPD4CB220					PD4CB		–	2.5A
AL1012XPD8220					PD8	8	3.5A	–
AL1012XPD8CB220					PD8CB		–	2.5A
AL1012XPD16220					Two (2) PD8	16	3.5A	–
AL1012XPD16CB220					Two (2) PD8CB		–	2.5A

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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 1.3A max.
Input Fuse	5A/250V

Outputs

Voltage	12VDC
Current	10A @ 12VDC continuous max.
Protection	Fused 3.5A / PTC 2.5A
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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

Enclosure:
15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)

Shipping:
16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
AL1012X220	8.85 lb. (4.0 kg)	11.15 lb. (5.1 kg)
AL1012XPD4(CB)220	9.0 lb. (4.1 kg)	11.3 lb. (5.13 kg)
AL1012XPD8(CB)220	9.1 lb. (4.13 kg)	11.4 lb. (5.17 kg)
AL1012XPD16(CB)220	9.3 lb. (4.22 kg)	11.6 lb. (5.26 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	20 to 85%, non-condensing
BTU/Hr. (approx.):	61 BTU/Hr.

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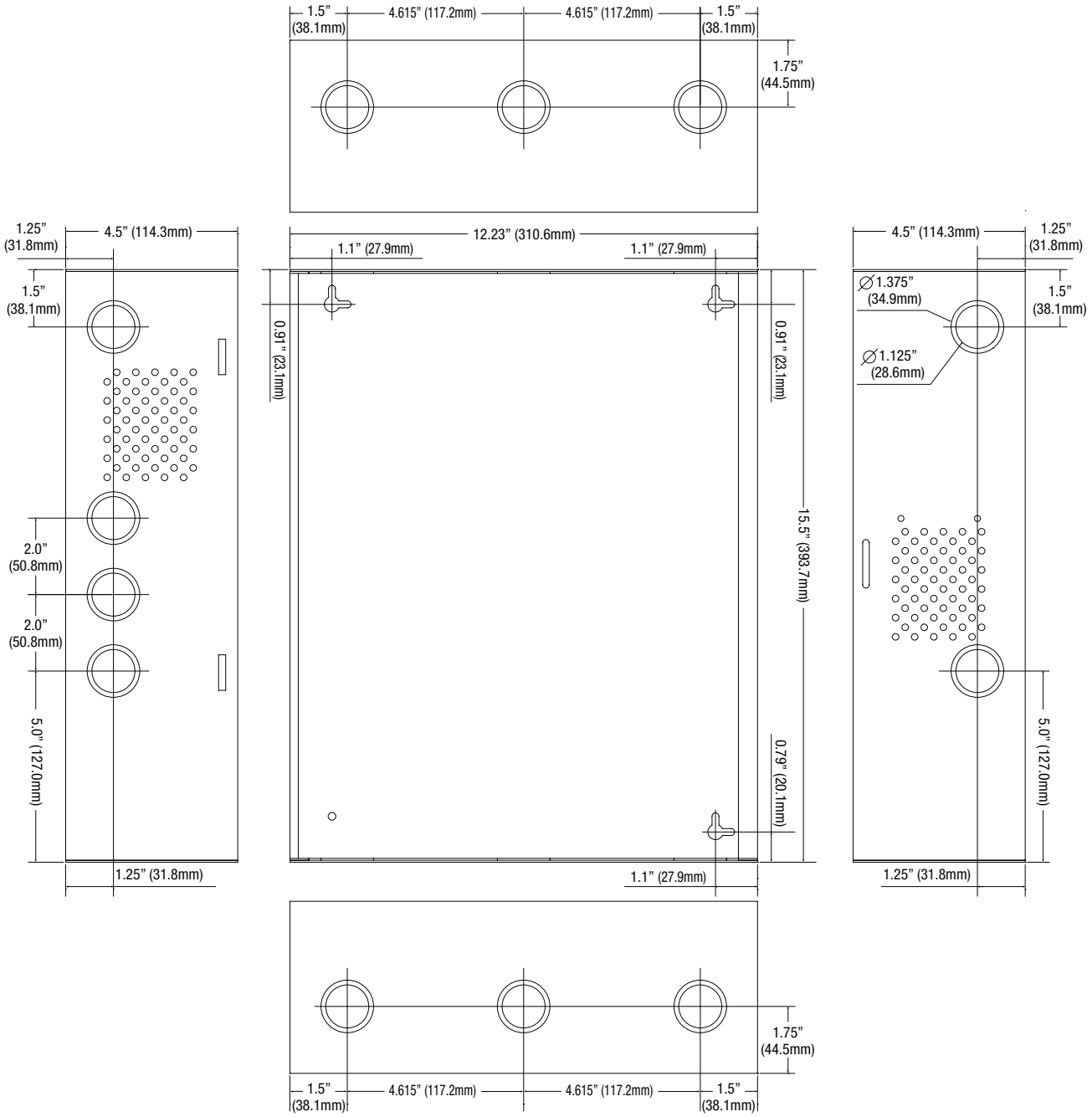
Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5” x 12.23” x 4.5” (393.7mm x 310.6mm x 114.3mm)