Altronix®

Rev. 06282023

AL400X220 Series

Power Supply/Chargers

Altronix AL400X220 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 selectable for 12VDC with a total of 4A max. or 24VDC with a total of 3A max.

AL400PD8220

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
- All units are available in grey or red enclosure

AL400X220 Series Power Supply Configuration Reference Chart

Altronix Model Number	12VDC Total Output Rating (A)	24VDC Total Output Rating (A)	Input Rating: 220VAC, 50/60Hz	Power Supply 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
AL400X220	4A	3A	1.5A	5A/ 250V	15A/ 32V	N/A	1	3.5A	–	Two (2) 7AH
AL400XX220										Two (2) 12AH
AL400XJ220										Two (2) 18AH
AL400PD4220						PD4	4	3.5A	–	Two (2) 7AH
AL400XPD4220										Two (2) 12AH
AL400PD4CB220						PD4CB		–	2.5A	Two (2) 7AH
AL400XPD4CB220										Two (2) 12AH
AL400PD8220						PD8	8	3.5A	–	Two (2) 7AH
AL400XPD8220										Two (2) 12AH
AL400PD8CB220						PD8CB		–	2.5A	Two (2) 7AH
AL400XPD8CB220										Two (2) 12AH
AL400XPD16220						Two (2) PD8	16	3.5A	–	Two (2) 12AH
AL400XPD16CB220						Two (2) PD8CB		–	2.5A	Two (2) 12AH

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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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	4A @ 12VDC or 3A @ 24VDC continuous max.
Protection	Fused 3.5A / PTC 2.5A.
Other	Overvoltage protection Filtered and regulated

Battery Charging

Capacity	7AH/12VDC (1 or 2 within enclosure) 12AH/12VDC (requires larger "X" enclosure) 18AH/12VDC (requires larger "J" enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A/32VD
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

Dimensions (H x W x D)

AL400X220, AL400PD4(CB)220, AL400PD8(CB)220:

Enclosure:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)

Shipping:
15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

AL400XX220, AL400XPD4(CB)220, AL400XPD8(CB)220, AL400XPD16(CB)220:

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)

AL400XJ220:

Enclosure:
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

Shipping:
21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
AL400X220	6.95 lb. (3.15 kg)	8.75 lb. (4.0 kg)
AL400XX220	8.55 lb. (3.88 kg)	10.85 lb. (4.92 kg)
AL400XJ220	11.5 lb. (5.22 kg)	13.7 lb. (6.21 kg)
AL400PD4(CB)220	7.1 lb. (3.22 kg)	8.9 lb. (4.04 kg)
AL400XPD4(CB)220	8.7 lb. (3.95 kg)	11.0 lb. (5.0 kg)
AL400PD8(CB)220	7.2 lb. (3.27 kg)	9.0 lb. (4.08 kg)
AL400XPD8(CB)220	8.8 lb. (4.0 kg)	11.1 lb. (5.03 kg)
AL400XPD16(CB)220	8.85 lb. (4.01 kg)	11.15 lb. (5.1 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.)	12VDC: 25 BTU/Hr. 24VDC: 37 BTU/Hr.

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Dimensions and Drawing

AL400X220, AL400PD4(CB)220, AL400PD8(CB)220 Dimensions (H x W x D approximate)

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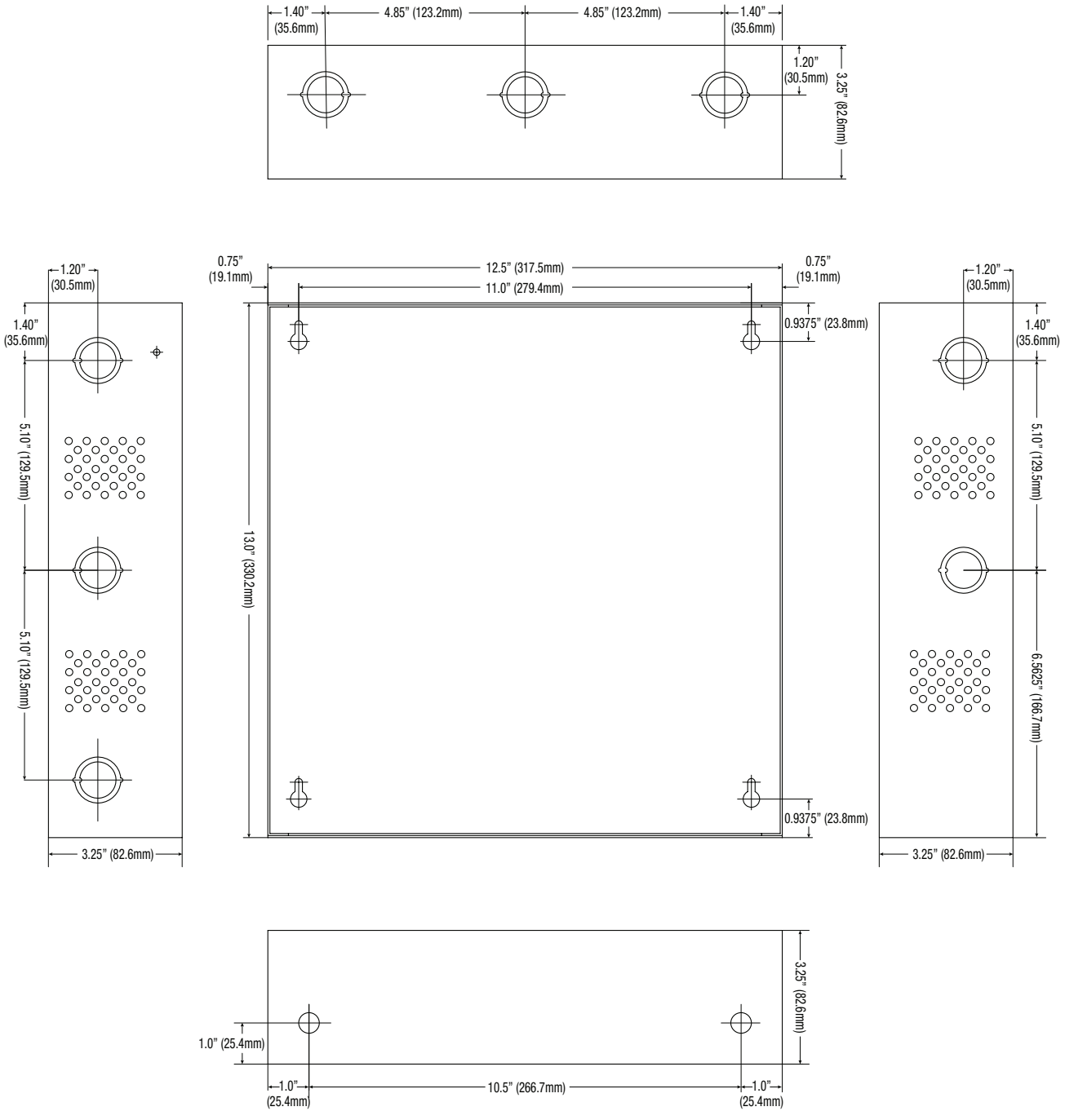

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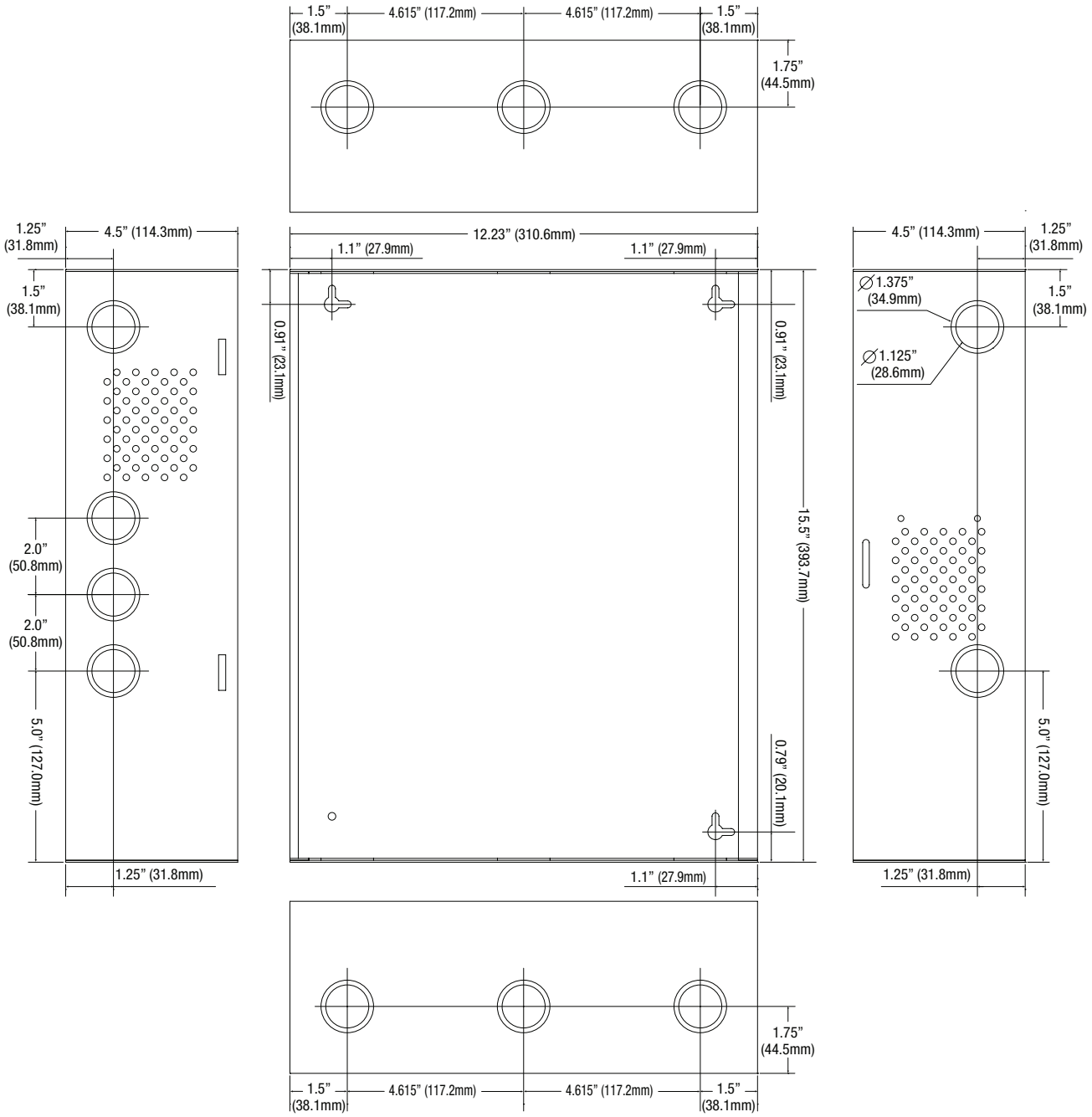

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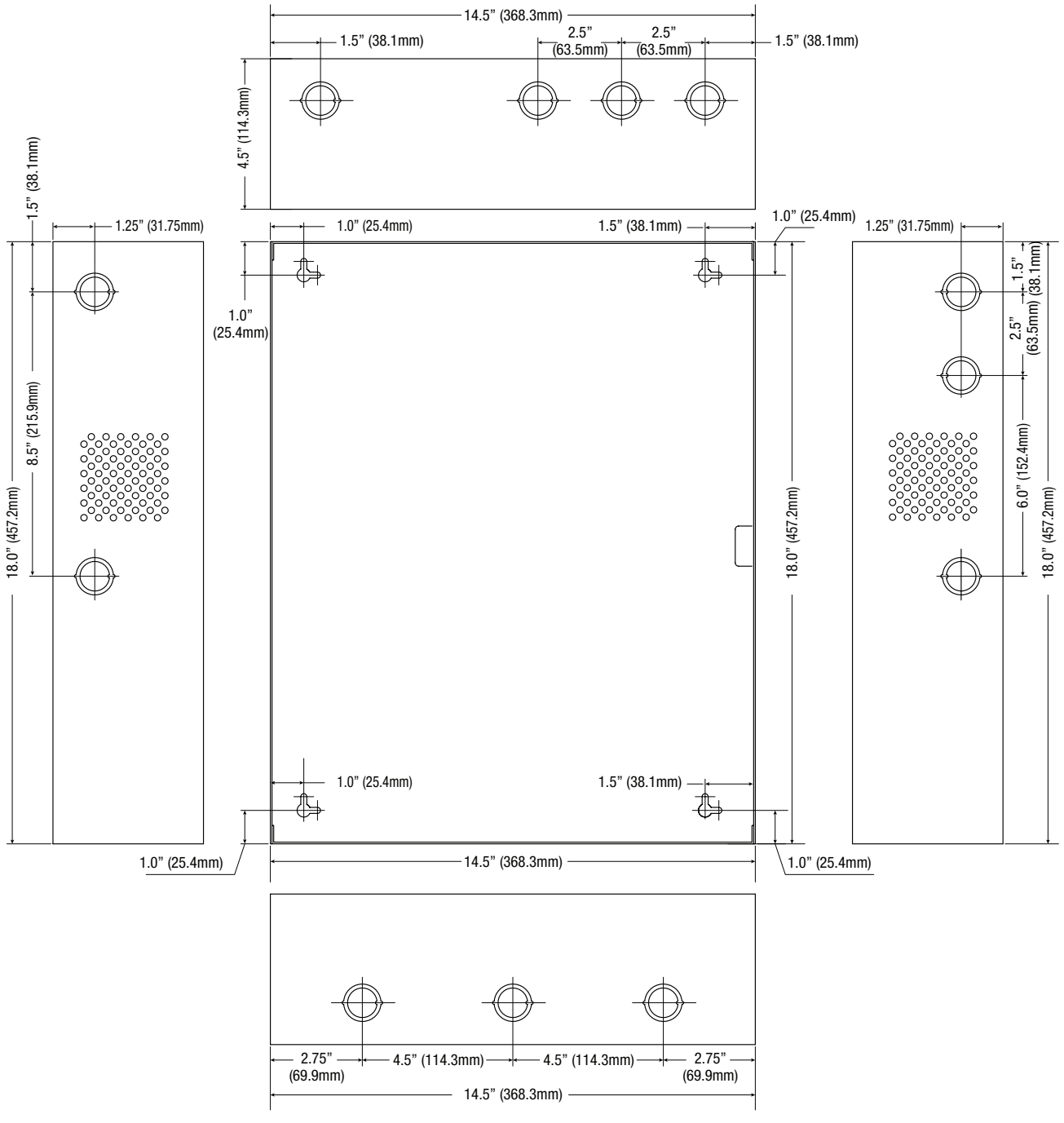
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