Altronix®

Rev. 06282023

AL600X220 Series

Power Supply/Chargers

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 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

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		–	2.5A	Two (2) 7AH
AL600XPD4CB220								Two (2) 12AH
AL600PD8220				PD8	8	3.5A	–	Two (2) 7AH
AL600XPD8220								Two (2) 12AH
AL600PD8CB220				PD8CB		–	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

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	6A @ 12VDC or 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) 40AH/65 AH (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

Dimensions (H x W x D)

AL600X220, AL600PD4(CB)220, AL600PD8(CB)220:

Enclosure:
13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.6mm)

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

AL600XX220, AL600XPD4(CB)220, AL600XPD8(CB)220, AL600XPD16(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)

Weight (approx.)

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

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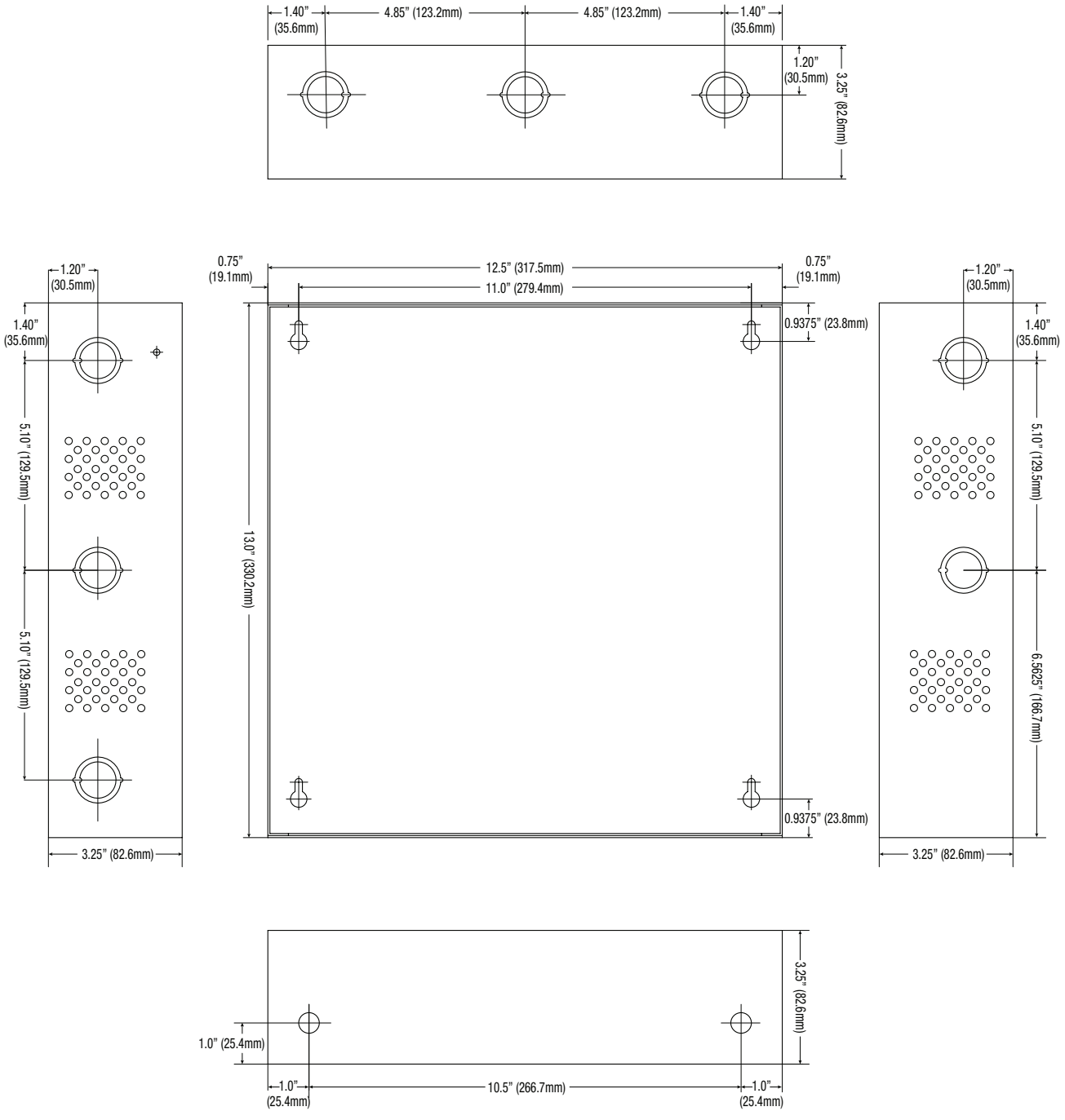
Dimensions and Drawing

AL600X220, AL600PD4(CB)220, AL600PD8(CB)220 Dimensions (H x W x D approximate)

13” x 12.5” x 3.25” (330.2mm x 317.5mm x 82.6mm)



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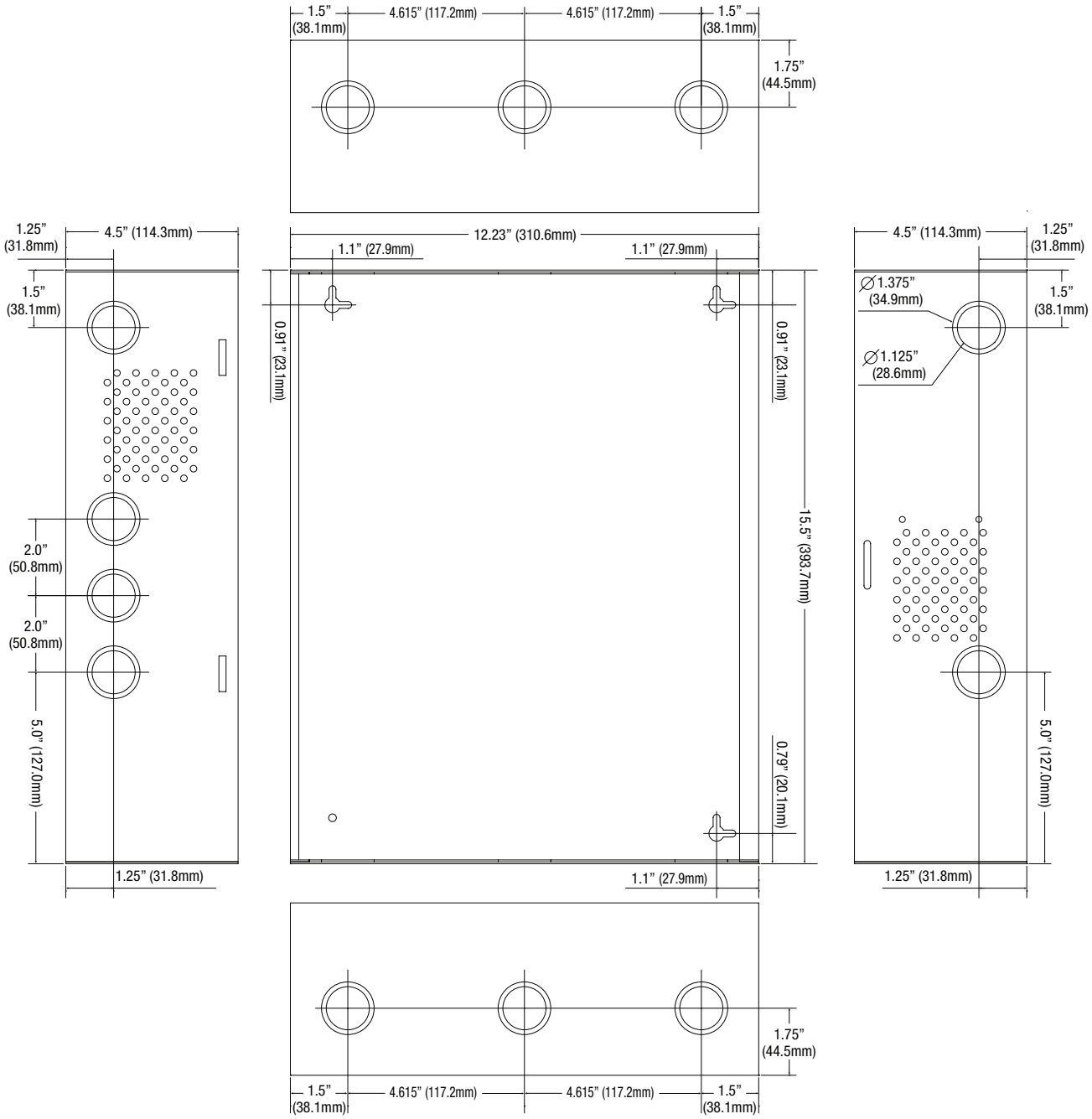
15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)