

## AL400X220 Series Power Supply/Chargers

### Description

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 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.

### 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	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	4	—	2.5A	Two (2) 7AH
AL400XPD4CB220										Two (2) 12AH
AL400PD8220						PD8	8	3.5A	—	Two (2) 7AH
AL400XPD8220										Two (2) 12AH
AL400PD8CB220						PD8CB	8	—	2.5A	Two (2) 7AH
AL400XPD8CB220										Two (2) 12AH
AL400XPD16220						Two (2) PD8	16	3.5A	—	Two (2) 12AH
AL400XPD16CB220										Two (2) 12AH
AL400XPD16CB220						Two (2) PD8CB	16	—	2.5A	Two (2) 12AH
AL400XPD16CB220										Two (2) 12AH

# AL400X220 Series

## Power Supply/Chargers



### 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.

#### Back-up Battery *(not included)*

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

AL400X220, AL400PD4(CB)220, AL400PD8(CB)220:  
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).  
AL400XX220, AL400XPD4(CB)220, AL400XPD8(CB)220,  
AL400XPD16(CB)220:  
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).  
AL400XJ220:  
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm).

##### Product Weight / Shipping (approx.)

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

12VDC: 25 BTU/Hr.  
24VDC: 37 BTU/Hr.