



AL400ULXB UL Recognized Power Supply/Charger

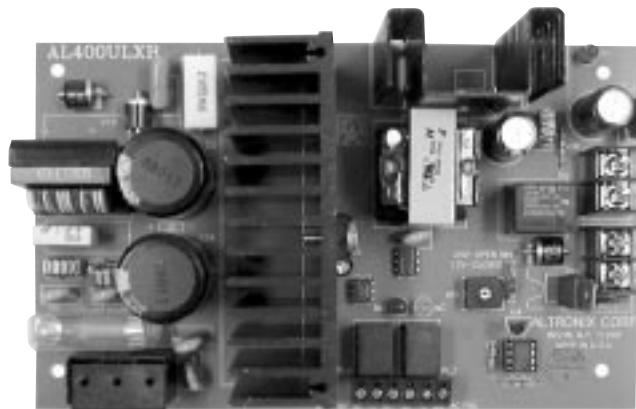
Overview:

The AL400ULXB is a power limited supply/chargers that will convert a 115VAC 50/60Hz input, into a power limited 12VDC or 24VDC output, (see specifications)

Specifications:

- UL recognized component.
- Switch selectable 12VDC or 24VDC power limited output.
- Class 2 rated.
- Input 115VAC 50/60Hz, 1.45 amp.
- Maximum charge current .7 amp.
- 4 amps continuous supply current at 12VDC.
- 3 amps continuous supply current at 24VDC.
- Filtered and electronically regulated outputs.
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- AC input and DC output LED indicators.
- AC fail supervision (form "C" contacts).
- Low battery supervision (form "C" contact).
- Low battery disconnect prevents batteries from deep discharge.
- Thermal overload protection.
- Short circuit protection.

Power Supply Board Dimensions: 4.25"H x 7"W x 1.75"D



Power Supply Voltage Output Selections: *

Output	Switch Position
12VDC	SW1 CLOSED
24VDC	SW1 OPEN

Stand-by Specifications:

Output	4 hr. of Stand-by & 5 Minutes of Alarm	24 hr. of Stand-by & 5 Minutes of Alarm	60 hr. of Stand-by & 5 Minutes of Alarm
12VDC / 40 AH Battery	Stand-by = 4.0 amps Alarm = 4.0 amps	Stand-by = 1.0 amp Alarm = 4.0 amps	Stand-by = 300mA Alarm = 4.0 amps
24VDC / 12 AH Battery		Stand-by = 200mA Alarm = 3.0 amps	
24VDC / 40 AH Battery	Stand-by = 3.0 amps Alarm = 3.0 amps	Stand-by = 1.0 amp Alarm = 3.0 amps	Stand-by = 300mA Alarm = 3.0 amps

Installation Instructions:

The AL400ULXB should be installed in accordance with article 760 of The National Electrical Code or NFPA 72 as well as all applicable Local Codes.

1. Mount the AL400ULXB in desired location/enclosure.
2. Set the AL400ULXB to the desired DC output voltage by setting SW1 (*Fig. 1*) to the appropriate position (see power supply voltage output selections chart).
3. Connect AC power (115VAC 50/60Hz) to terminals marked [L, G, N] (*Fig. 1*). Use 18 AWG or larger for all power connections (Battery, DC output, AC input).
Use 22 AWG to 18 AWG for power limited circuits (AC Fail/Low Battery reporting).

Keep power limited wiring separate from non-power limited wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25" spacing must be provided.

4. Connect devices to be powered to terminals marked [- DC +] (*Fig. 1*).

Note: It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.