



LPS5C24X220

Linear Power Supply/Charger

Overview:

Altronix LPS5C24X220 linear power supply/charger converts a 220VAC 50/60Hz input to a 24VDC @ 3.5A continuous supply current. The output stays regulated until the batteries discharge to 25% capacity.

Specifications:

Input:

- 220VAC (working range 198VAC-256VAC), 50/60Hz, 0.8A.

Output:

- 24VDC @ 3.5A.
- Filtered and electronically regulated.
- Thermal and overload protection with autoreset.

Battery Backup:

- Built-in charger for sealed lead acid batteries.
- Automatic switchover to stand-by battery when AC Fails.
- PTC battery protection.
- Maximum charge current 0.3A.
- Battery leads included.

Visual Indicators:

- AC input and DC output LED indicators.

Supervision:

- Low battery and AC fail supervision (dry relay outputs 1A @ 28VDC).

Enclosure Dimensions:

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

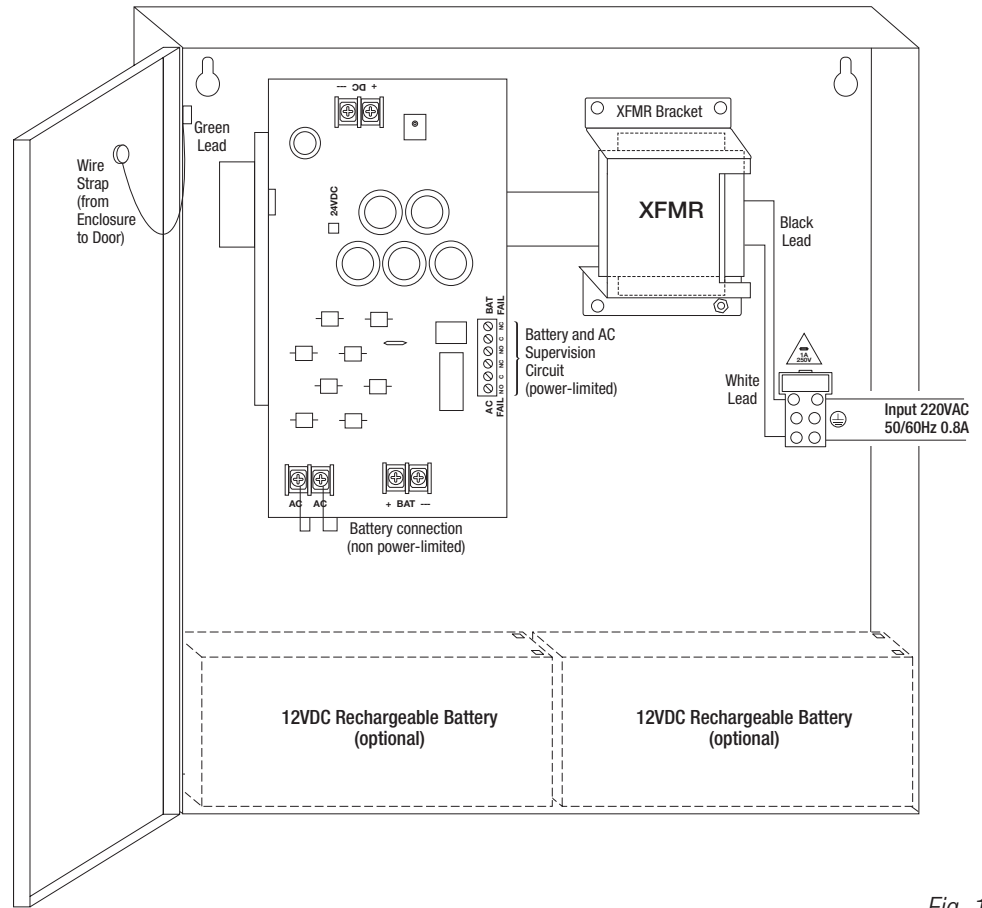


Fig. 1

Power Supply Voltage Output Specifications:

Output VDC	Maximum Load DC
24VDC	3.5A

Installation Instructions:

The LPS5C24X220 should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the LPS5C24X220 in the desired location.
2. Connect unswitched AC circuit (220VAC, 50/60Hz) as follows: Green branch wire (ground) connects to the terminal marked \oplus , Line connects to the terminal marked [L], and Neutral connects to the terminal marked [N] of the Inlet Appliance Connector. Use 18 AWG or larger for all power connections (Battery, DC output).
3. Measure output voltage before connecting devices. This helps avoiding potential damage.
4. Connect devices to be powered to the terminals marked [+ DC -] (Fig. 1).
5. Connect battery to the terminals marked [+ BAT -] on the unit (battery leads included) (Fig. 1).

Note: When batteries are not used, a loss of AC will result in loss of output voltage.

Terminal Identification:

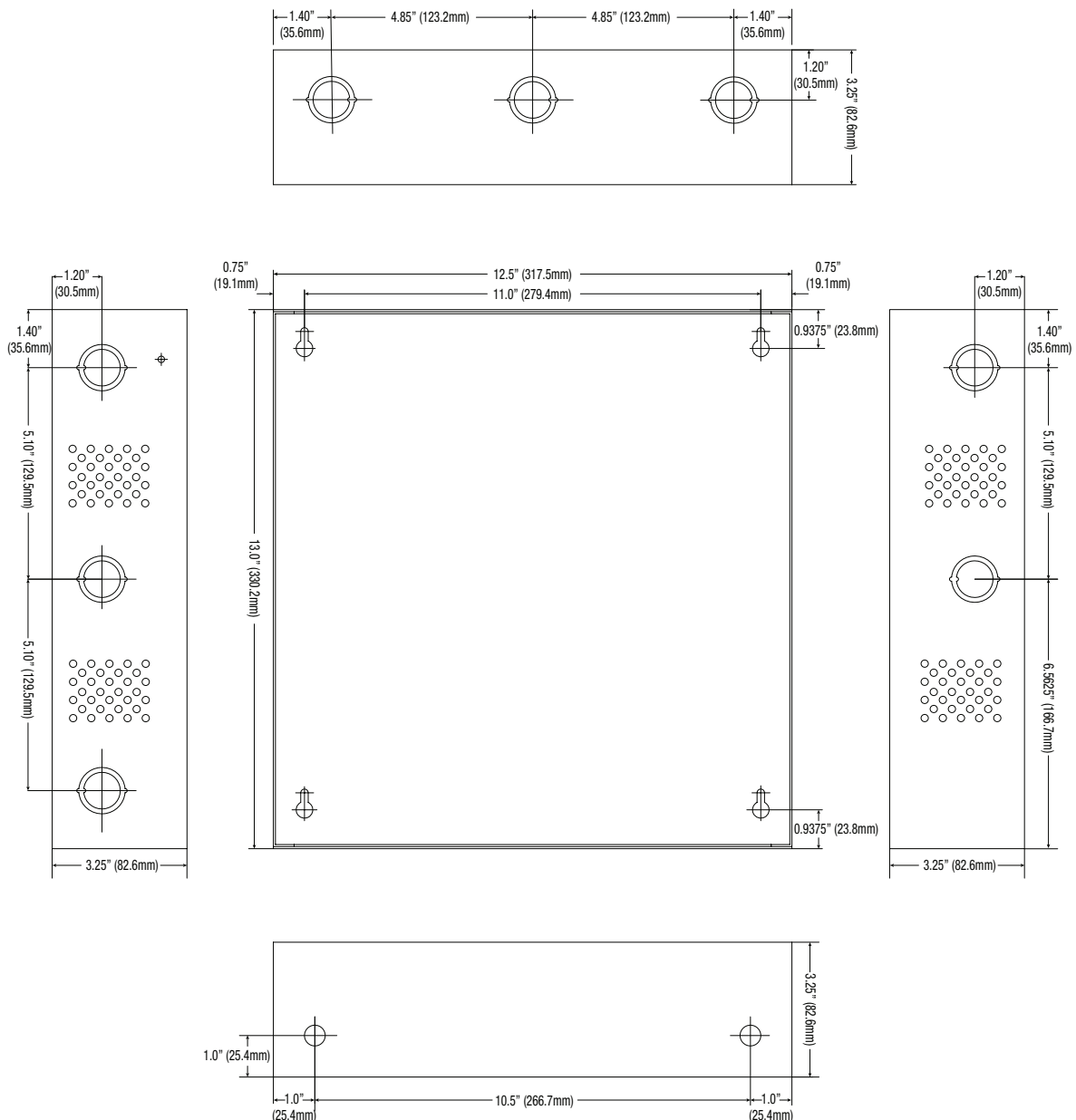
Terminal Legend	Function/Description
AC/AC	Low voltage AC input (24VAC 150VA).
+ BAT -	Stand-by battery connections.
+ DC -	24VDC @ 3.5A continuous output.

LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC. Stand-by battery is supplying power.
OFF	ON	No DC output.
OFF	OFF	Loss of AC. Discharged or missing stand-by battery. No DC output.

Enclosure Dimensions (H x W x D approximate):

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



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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