

AL624 Kits - Linear Power Supply / Charger

Overview:

These linear power supply/charger kits have a wide range of applications including: access control, security and CCTV system accessories that require additional power.

Specifications:

Output:

• Filtered and electronically regulated output.

Battery Backup:

- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 300mA.
- Automatic switch over to stand-by battery when AC Fails.
- PTC battery protection.

Additional Features:

- Thermal and short circuit protection with auto reset.
- AC input and DC output LED indicators.
- Extremely compact design.
- Includes battery leads.

Board dimensions (approximate): 3"L x 2.5"W x 1.5"H

AL62412C/AL62412CX:

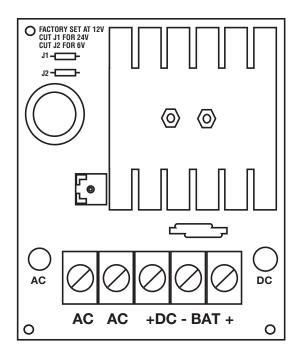
- 12VDC @ 1.2 amp continuous supply current.
- Kit includes: power supply, 12VDC 4AH (AL62424CX 12VDC 7AH) rechargeable battery and 16.5VAC 20VA Class 2 Rated plug-in transformer.

AL62424C:

- 24VDC @ 750 mA continuous supply current.
- Kit includes: power supply, two (2) 12VDC 4AH rechargeable batteries and 24VAC 40VA Class 2 Rated plug-in transformer.

Installation Instructions:

- 1. Mount unit in desired location/enclosure.
- 2. Unit is factory set for correct output voltage.
- 3. Connect wall plug-in transformer to terminals marked [AC]. Use 18 AWG or larger for all power connections (Battery, DC output).
- 4. Measure output voltage before connecting devices. This helps avoid potential damage.
- 5. Devices to be powered should be connected to terminals marked [+ DC] and [DC BAT] carefully observing polarity.
- 6. Connect battery to terminals marked [BAT +] and [DC NEG] (battery leads included). Note: When batteries are not used, a loss of AC will result in a loss of output voltage.



LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
ON	OFF	Loss of AC, Stand-by battery supplying power.
OFF	ON	No DC output. Short circuit or thermal overload condition.
OFF	OFF	No DC output. Loss of AC. Discharged or no battery present.

Terminal Identification:

Terminal Legend	Function/Description	
AC/AC	Low voltage AC input.	
- DC +	12VDC @ 1.2 amp continuous supply current. 24VDC @ 750mA continuous supply current.	
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.	

