



# Altronix®

## AL624 Kits - Linear Power Supply / Charger

### Overview:

The AL624 kits are Linear Power Supply/Charger Kits, which convert an AC input to a regulated low voltage DC output. This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power. The Kit includes: Power Supply board, Battery and Wall Plug-in Transformer.

### Specifications:

- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 300mA.
- AC input and DC output LED indicators.
- Thermal and short circuit protection with auto reset.
- Fused battery protection (circuit breakers available).
- Snap Trac compatible (order Altronix model #ST3).
- Includes battery leads.
- Extremely compact design.

Board dimensions: 3"L x 2.5"W x 1.5"H

### AL624-6C:

- 6VDC power limited output.
- 1.2 amp continuous supply current at 6VDC.
- Kit includes: power supply, 6VDC 4AH rechargeable battery and 12VAC 20VA class plug-in transformer.

### AL624-12C:

- 12VDC power limited output.
- 1.2 amp continuous supply current at 12VDC.
- Kit includes: power supply, 12VDC 4AH rechargeable battery and 16.5VAC 20VA class plug-in transformer.

### AL624-12CX:

- 12VDC power limited output.
- 1.2 amp continuous supply current at 12VDC.
- Kit includes: power supply, 12VDC 7AH rechargeable battery and 16.5VAC 20VA class plug-in transformer.

### AL624-24C:

- 24VDC power limited output.
- 750mA continuous supply current at 24VDC.
- Kit includes: power supply, two (2) 12VDC 7AH rechargeable battery and 24VAC 40VA class plug-in transformer.

### Installation Instructions:

1. Mount AL624 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. Devices to be powered should be connected to terminals marked [+ DC] and [DC - BAT] carefully observing polarity.  
**Note:** It is good operating practice to measure and verify output voltage before connecting devices to ensure proper operation of equipment.
5. 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.



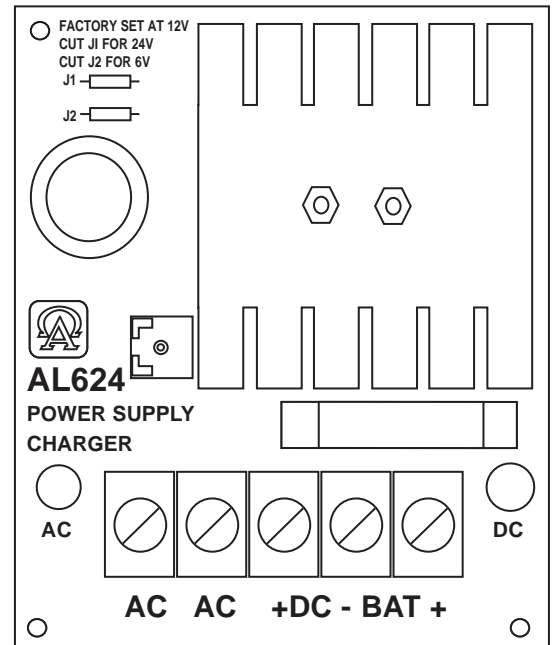
AL624-6C

### 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 +	AL624-6C - 6VDC @ 1.2 amp continuous power limited output.
	AL624-12C - 12VDC @ 1.2 amp continuous power limited output.
	AL624-12CX - 12VDC @ 1.2 amp continuous power limited output.
	AL624-24C - 24VDC @ 750mA continuous power limited output.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.



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

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