



## Battery Interface Power Supply

**Performance:** The PS-3 provides the facilities necessary to power your cabled intercom system from batteries. Typically, a pair of 12V batteries are wired in series to provide 24V, then connected to the PS-3. Best because of size, weight, and rechargeability, are motorcycle batteries, but auto or even lantern batteries may be used. Time between recharging will depend upon the number of stations connected, but as an example, a pair of 150 Ampere/Hour batteries would power ten belt packs, with their signal lights constantly On, for over 1000 hours.

The front panel contains a pair of binding posts for attachment of the batteries, and a high-quality circuit breaker which acts as the On/Off switch and limits the current which may be drawn by the system from the batteries to a safe 1.0 Amp. Although the binding



posts are colored red and black, an internal circuit corrects reverse polarity. The rear panel contains three 3-pin male XLR-type connectors, wired in parallel, for connecting belt packs or other stations to the system. The PS-3 provides the *necessary termination circuit* for the audio line, to maintain stability as stations are added or removed from the system.

**Durability:** The ribbed, extruded aluminum case; glass-filled nylon end bezels; internal support system for the PC board; best-quality XLR-type connectors, and; recessed controls, all contribute to the outstanding ability of the PS-3 to withstand rough usage.

**Value:** The comparatively low price of the PS-3 is made possible by the minimized assembly cost resulting from simplicity of construction. Simple construction also affords the use of higher quality components, and increases the ease (thus lowering the cost) of servicing.

**Compatibility:** The PS-3 is plug-in compatible with Clear-Com<sup>®</sup> and other popular headset intercom systems.

**Technical Specifications:** (Subject to change without notice.)

Power requirement: 12~24 VDC from batteries  
Power output: 1.0 Amp maximum, 30V peak, smoothed (ripple free)

Audio bridging impedance: 200  $\Omega$  unbalanced.  
Dimensions: 3.70 x 4.30 x 2.50 in. (93.98 x 109.22 x 63.5 mm.)  
Weight: 14.5 oz (0.411 Kg.)  
Batteries are NOT provided.

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