

Basic Intercom Power Supply

Performance: The PS-1 is highly regulated 24VDC, 2 Amp (continuous) power supply capable of supplying up to 66 BP-1 belt packs with all signal lights constantly lit. It may be rack mounted or used as a table-top unit, when fitted with its optional plain side panels and plastic feet.

The PS-1 may be used alone to power a single-circuit system, or it may be combined with our MSM-1 to form what is commonly referred to as a Main, or Master Station.

The toroidal transformer used in the PS-1 provides greater efficiency, lower hum, and reduced strayfield radiation compared with conventional types, and allows the single rack unit configuration. The transformer is multi-tap, allowing for operation at 100, 120, 220 or 240VAC. There is sufficient iron in the core to accommodate 50 or 60Hz supply frequencies. A convenient AC inlet permits supply voltage choices by removing and rotating the insert. The regulator IC also provides protection against overloads and short circuits. In the event of a protective shut-down, turning the main AC switch off and back on, after removing the short, will restore power to the system.



For the sake of economy and simplicity, the PS-1 has only one 3-pin XLR-type connector on the rear panel. For more complex systems we recommend that you consider the PS-2. That unit has the same cabinet and main components as the PS-1, but also has 3 XLR-type outlets, front panel switches to connect and disconnect the three circuits, and LED signal indicators for two of the circuits.

Durability: The steel cabinet, firmly secured components, and best-quality XLR-type connector all contribute to the PS-1's outstanding ability to withstand rough usage.

Value: Simplicity of construction and the resulting ease of assembly affords the use of high-quality components and a price much below comparable 2Amp, rack-mountable, power supplies.

Compatibility: The PS-1 may be used with Clear-Com[®] and other less well-known unbalanced 200Ω headset communications systems stations.

Technical specifications:

(Subject to change without notice)

Power required: 100, 120, 220 or 240VAC
0.022A (No load), 0.55A @ 2.0A DC output
50 or 60Hz

Power output: 24VDC \pm 0.5V, 0~2.0A
Audio termination: 200Ω unbalanced

Dimensions (HxWxD):

1.68 x 16.88 x 7.00 in.
(42.67 x 428.75 x 177.80 mm.)
With rack mount side panels:
Width = 19.0 in. (482.60 mm.)
Weight: 7.75 lbs. (3.52 Kg.)

Production Intercom Inc.

P.O. Box 3247, Barrington, IL 60011-3247
Voice: (847) 381-5350 Fax: (847) 381-4360 Sales & Technical Assistance (US & Can): (800) 562-5872
e-mail: info@beltpack.com Web: beltpack.com