

# DC Power Supplies

Models PRS40C, PRS48, PRS624DA, PRSASAC, RF12A & RF24A



PRS624DA



RF12A



PRS48



PRS40C



PRSASAC

## Description

Bogen DC Power Supplies are designed to supply power to battery-operated and other low voltage DC equipment from a 120V AC source. They are rugged, versatile, and dependable, and are suitable for many types of telephone paging equipment, amplified speakers and horns, tone generators, and intercom systems.

The PRS40C provides 12V DC for equipment requiring up to 300 mA, and is UL listed.

The PRS48 provides 48V DC at 100 mA, as required for various telephone paging access devices. The PRS48 is UL Listed.

Models PRS624DA and PRSASAC feature the capability of providing 24V DC at 35 mA Loop Current to the TIP and RING lines of a loop-start trunk or key-system CO line.

The PRS624DA, a dual power supply, provides 24V DC at 4A and separate 250 mA talk battery supply. The unit features a replaceable fuse, short-circuit protection and LED "ON" indicator.

The PRSASAC provides regulated 24V DC at 450 mA. The unit features heavy-duty construction, wall-mounting flange, recessed barrier strip and a three-wire line cord terminated in a three-prong plug. UL and CSA listed.

The Models RF12A and RF24A are regulated power supplies that can be used for applications requiring 12V DC at 1A (RF12A) or 24V DC at 1A (RF24A). The RF12A is normally used with Bogen's CM-Series Intercom System.

# BOGEN®

Specifications subject to change without notice.  
© 2002 Bogen Communications, Inc.  
Part No. 54-7610-03R3 Printed in U.S.A. 0210

**Technical Specifications**

MODEL	INPUT	OUTPUT	DIMENSIONS (W X H X D)	SHIPPING WEIGHT
<b>PRS40C</b>	120V AC, 60 Hz, 8W	12V DC, 300 mA	2" x 2-3/8" x 1-5/8"	1 lb.
<b>PRS48</b>	120V AC, 60 Hz, 24W	48V DC, 100 mA	2-1/2" x 3" x 1-7/8"	1 lb.
<b>PRS624DA</b>	120V AC, 60 Hz, 300W	24V DC, 4A 24V DC, 250 mA 24V DC, 35 mA*	4-3/8" x 6-5/8" x 6-1/4"	11 lb.
<b>PRSASAC</b>	120V AC, 60 Hz, 30W	24V DC, 450 mA 24V DC, 35 mA*	2-3/4" x 4-1/2" x 2-1/2"	3 lb.
<b>RF12A</b>	120V AC, 60 Hz, 24W	12V DC, 1A	3" x 2-3/4" x 4-3/4"	3 lb.
<b>RF24A</b>	120V AC, 60 Hz, 48W	24V DC, 1A	3" x 2-3/4" x 4-3/4"	3 lb.

\*Loop Current

**Architect & Engineer Specifications\***

**PRS40C**

The power supply shall be a Bogen Model PRS40C, or approved equivalent, and shall supply 12V DC at 300 mA from a 120V AC, 60 Hz source. Maximum power consumption shall be 8 watts. The sleeve of the mini plug (and the lead with the white tracer) shall be positive. The power supply shall measure 2" W x 2-3/8" H x 1-5/8" D. The power supply shall be UL listed.

**PRS48**

The power supply shall be a Bogen Model PRS48, or approved equivalent, and shall supply 48V DC at 100 mA from a 120V AC, 60 Hz source. Maximum power consumption shall be 24 watts. The power supply shall measure 2-1/2" W x 3" H x 1-7/8" D. The power supply shall be UL listed.

**PRS624DA**

The dual power supply shall be a Bogen Model PRS624DA, or approved equivalent, and shall supply 24V DC at 4A, and 24V DC at 250 mA from a 120V AC, 60 Hz source. Maximum power consumption shall be 300 watts. The power supply shall be of solid-state construction and shall provide short-circuit protection, automatic cutoff and reset, LED "ON" indicator, and external fuse. The power supply shall have the capability of providing 24V DC at 35 mA loop current to the Tip and Ring lines of a loop-start trunk or CO line. Dimensions shall be 4-3/8" W x 6-5/8" H x 6-1/4" D.

**PRSASAC**

The power supply shall be a Bogen Model PRSASAC, or approved equivalent, and shall supply regulated 24V DC at 450 mA from a 120V AC, 60 Hz source. It shall also have the capability of providing 24V DC at 35 mA Loop Current to the TIP and RING lines of a loop-start trunk or CO line. Maximum power consumption shall be 30 watts.

The unit shall be of solid-state construction and shall feature a flange for wall or cabinet mounting, a recessed barrier strip, and a three-wire line cord terminated in a three-prong plug. Dimensions shall be 2-3/4" W x 4-1/2" H x 2-1/2" D. The power supply shall be UL and CSA listed.

**RF12A**

The power supply shall be a Bogen Model RF12A, or approved equivalent, and shall supply regulated 12V DC at 1A from a 120V AC, 60 Hz source. Maximum power consumption shall be 24 watts. An LED pilot lamp, recessed screw terminals and provisions for wall-mounting shall be provided. The power supply shall measure 3" W x 2-3/4" H x 4-3/4" D.

**RF24A**

The power supply shall be a Bogen Model RF24A, or approved equivalent, and shall supply regulated 24V DC at 1A from a 120V AC, 60 Hz source. Maximum power consumption shall be 48 watts. An LED pilot lamp, recessed screw terminals, and provisions for wall-mounting shall be provided. The power supply shall measure 3" W x 2-3/4" H x 4-3/4" D.

\* The Architect and Engineer specifications for current Bogen products are available in a Word document on CD and the Bogen web site for the purpose of cutting and pasting such specifications into bid proposals.

