

# Switch Mode and Linear 24V DC Power Supplies

Models PRS2403,  
SPS2406, SPS2410,  
SPS2425, & SPS2454



**Description** Bogen's 24V DC Power Supplies are designed to supply power to 24V DC equipment from a 120V AC source. They are rugged, versatile, and dependable, and are suitable for use with many types of telephone paging equipment, amplified speakers and horns, tone generators, and intercom systems.

The SPS versions use switching technology to provide large current capacities in small packages that gate energy directly to the storage caps at the power supply output. This is a highly efficient way to convert voltages, resulting in minimal heat generation.






The wall-mounted SPS versions of power supplies (SPS2410, SPS2425, and SPS2454) include special mounting holsters for easy and secure wall mounting. The holsters are fastened to the wall and then the power supply is slipped in. The holster's spring action tab ensures the power supply is secure. A side-mounted PCB provides a means of breaking out the power supply's cable connector into multiple screw terminals. The screw terminals are also pluggable for added ease of installation.

- Features**
- Digital switching technology provides large current capacities in small packages with minimal heat generation (SPS models)
  - 24V DC Output
  - Wide selection of current capacities (300 mA to 5.4A range (+6 to +108 CU's))
  - Pluggable terminal strips (SPS2410, SPS2425, and SPS2454) for added ease of installation
  - Mounting holsters for easy and secure wall mounting (SPS2410, SPS2425, and SPS2454)
  - PRS2403 and SPS2406 offer barrel-type connectors or stripped and tinned wire for flexibility and convenience
  - All models UL listed
  - Two-Year Warranty

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Specifications subject to change without notice.  
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Part No. 54-8023-14A Printed in U.S.A. 0501

## Technical Specifications

| MODEL   | CU*   | OUTPUT         | MOUNTING   | CONNECTIONS              | DIMENSIONS (W X H X D)   | PRODUCT WEIGHT |
|---------|---|----------------|------------|--------------------------|--------------------------|----------------|
| PRS2403 |  | 24V DC, 300 mA | Receptacle | Wires, Barrel-Type**     | 2-1/4" x 3-1/4" x 2"     | 1 lb.          |
| SPS2406 |  | 24V DC, 600 mA | Receptacle | Wires, Barrel-Type**     | 2" x 4-1/4" x 3"         | 2 lb.          |
| SPS2410 |  | 24V DC @ 1A    | Holster    | Pluggable Terminal Strip | 2-1/2" x 4-1/4" x 1-1/4" | 2 lb.          |
| SPS2425 |  | 24V DC @ 2.5A  | Holster    | Pluggable Terminal Strip | 3" x 5-3/4" x 1-3/4"     | 2 lb.          |
| SPS2454 |  | 24V DC @ 5.4A  | Holster    | Pluggable Terminal Strip | 3-1/2" x 7-3/4" x 2"     | 3 lb.          |

\* 1 CU = 50 mA

\*\* Center connection is positive. O.D. is 5.5 mm, I.D. is 2.1 mm

## Architect & Engineer Specifications\*

### PRS2403

The power supply shall be a Bogen Model PRS2403, or approved equivalent, and shall supply 24V DC at 300 mA (6 CU) from a 120V AC, 60 Hz source. The PRS2403 shall be capable of being connected to barrel-type connectors or screw terminal connections. The PRS2403 shall be receptacle-mounted. The power supply shall measure 2-1/4" W x 3-1/4" H x 2" D and weigh 1 lb. The power supply shall be UL listed.

### SPS2406

The power supply shall be a Bogen Model SPS2406, or approved equivalent, and shall supply 24V DC at 600 mA (12 CU) from a 120V AC, 60 Hz source. The SPS2406 shall employ switching technology that shall result in large current capacities while generating minimal heat. The SPS2406 can be connected to both barrel-type connectors or screw terminal connections. The SPS2406 shall be receptacle-mounted. The power supply shall measure 2" W x 4-1/4" H x 3" D and weigh 2 lb. The power supply shall be cUL listed.

### SPS2410

The power supply shall be a Bogen Model SPS2410, or approved equivalent, and shall supply 24V DC at 1A (20 CU) from a 120V AC, 60 Hz source. The SPS2410 shall be wall-mountable using a holster with pluggable terminal strips. The power supply shall measure 2-1/2" W x 4-1/4" H x 1-1/4" D and weigh 2 lb. The power supply shall be cUL listed.

### SPS2425

The power supply shall be a Bogen Model SPS2425, or approved equivalent, and shall supply 24V DC at 2.5A (50 CU) from a 120V AC, 60 Hz source. The SPS2425 shall be wall-mountable using a holster with pluggable terminal strips. The power supply shall measure 3" W x 5-3/4" H x 1-3/4" D and weigh 2 lb. The power supply shall be cUL listed.

### SPS2454

The power supply shall be a Bogen Model SPS2454, or approved equivalent, and shall supply 24V DC at 5.4A (108 CU) from a 120V AC, 60 Hz source. The SPS2454 shall include a power LED. The SPS2454 shall be wall-mountable using a holster with pluggable terminal strips. The power supply shall measure 3-1/2" W x 7-3/4" H x 2" D and weigh 3 lb. The power supply shall be cUL listed.

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\* Architect and Engineer Specifications are available online in a Word document to assist you with preparing your bids.