

DC Power Supplies

Models PCMPS2,
PRS40C, PRSLSI,
PRS2403, SPS2406,
SPS2410, SPS2425,
SPS2454, & PRS48



Description Bogen's DC Power Supplies are designed to supply power to battery-operated, other low voltage DC equipment, or 24V DC equipment from a 120V AC source. They are rugged, versatile, and dependable, making them suitable for many types of telephone paging equipment, amplified speakers and horns, tone generators, and intercom systems. 12V, 24V, and 48V models available. PRSLSI additionally provides talk battery for loop start trunks and a buffered audio output to drive up to 25 self-amplified speaker inputs.

Technical Specifications

MODEL	CU*	INPUT	OUTPUT	MOUNTING	CONNECTIONS	DIMENSIONS (W X H X D)	SHIPPING WEIGHT	LISTING
12V Models								
PCMPS2	N/A	120V AC, 60 Hz, 28V	12V DC, 1.5 A Unregulated	Plug-In	Barrel Connector**	2-5/8" x 3-3/8" x 2-7/8"	2 lb.	UL and C-UL listed
PRS40C	N/A	120V AC, 60 Hz, 8W	12V DC, 300 mA Unregulated	Plug-In	Barrel Connector**	2" x 2-3/8" x 1-5/8"	1 lb.	UL listed
24V Models								
PRS2403		120V AC, 60 Hz	24V DC, 300 mA Unregulated	Plug-In	Wires, Barrel-Type**	2-1/4" x 3-1/4" x 2"	1 lb.	UL listed
PRSLSI ‡		120V AC, 60 Hz	24V DC @ 450 mA Regulated	Wall Mount w/ Integral Flanges	Screw Terminal, Barrier Strip	2-3/4" x 4-1/2" x 2-1/2"	3 lb.	UL and C-UL listed
SPS2406		120V AC, 60 Hz	24V DC @ 600 mA Regulated	Plug-In	Wires, Barrel-Type**	2" x 3-3/8" x 1-1/4"	2 lb.	UL and C-UL listed
SPS2410		120V AC, 60 Hz	24V DC @ 1A Regulated	Holster	Pluggable Terminal Strip	2-1/2" x 4-1/4" x 1-1/4"	2 lb.	UL and C-UL listed
SPS2425		120V AC, 60 Hz	24V DC @ 2.5A Regulated	Holster	Pluggable Terminal Strip	3" x 5-3/4" x 1-3/4"	2 lb.	UL and C-UL listed
SPS2454		120V AC, 60 Hz	24V DC @ 5.4A Regulated	Holster	Pluggable Terminal Strip	3-1/2" x 7-3/4" x 2"	3 lb.	UL and C-UL listed
48V Models								
PRS48	N/A	120V AC, 60 Hz, 24W	48V DC, 100 mA Regulated	Plug-In	Screw Terminal, Barrier Strip	2-1/2" x 3" x 2"	1 lb.	UL and ETL listed

* 1 CU = 50 mA ** Center connection is positive. O.D. is 5.5 mm, I.D. is 2.1 mm

‡ Includes talk battery for loop start trunks and a buffered audio output to drive up to 25 self-amplified speaker inputs.

Architect & Engineer Specifications

PCMPS2

The power supply shall be a Bogen Model PCMPS2, or approved equivalent, and shall supply unregulated 12V DC, 1.5A from a 120V AC, 60 Hz source. Maximum power consumption shall be 28 watts. The unit shall measure 2-5/8" W x 3-3/8" H x 2-7/8" D and weigh 2 lb. The power supply shall be UL and C-UL listed.

PRS40C

The power supply shall be a Bogen Model PRS40C, or approved equivalent, and shall supply unregulated 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 unit shall measure 2" W x 2-3/8" H x 1-5/8" D. The power supply shall be UL listed.

PRS2403

The power supply shall be a Bogen Model PRS2403, or approved equivalent, and shall supply unregulated 24V DC at 300 mA (6 CU) from a 120V AC, 60 Hz source. The power supply shall be capable of being connected to barrel-type connectors or screw terminal connections via an included adapter. It shall be receptacle-mounted. The unit 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.

PRSLSI

The loop start interface and power supply shall be a Bogen Model PRSLSI, or approved equivalent, and shall supply regulated 24V DC at 450 mA (9 CU), as well as Tip and Ring terminals with 24V talk battery for connection to a loop start trunk, and enough audio capacity to drive up to 25 self-amplified speaker inputs. Audio flow shall be one direction from loop start terminals to the buffered audio outputs. No talk back capability shall be provided. It shall include a six-terminal barrier strip. The power supply shall include flanges for wall mounting and rubber feet for shelf mounting. The unit shall measure 2-3/4" W x 4-1/2" H x 2-1/2" D and weigh 3 lb. The power supply shall be UL and C-UL listed.

SPS2406

The power supply shall be a Bogen Model SPS2406, or approved equivalent, and shall supply regulated 24V DC at 600 mA (12 CU) from a 120V AC, 60 Hz source. The power supply 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 power supply shall be receptacle-mounted. The unit shall measure 2" W x 3-3/8" H x 1-1/4" D and weigh 2 lb. The power supply shall be UL and C-UL listed.

SPS2410

The power supply shall be a Bogen Model SPS2410, or approved equivalent, and shall supply regulated 24V DC at 1A (20 CU) from a 120V AC, 60 Hz source. The power supply shall employ switching technology that shall result in large current capacities while generating minimal heat. It shall be wall-mountable using a holster with pluggable terminal strip. The unit 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 UL and C-UL listed.

SPS2425

The power supply shall be a Bogen Model SPS2425, or approved equivalent, and shall supply regulated 24V DC at 2.5A (50 CU) from a 120V AC, 60 Hz source. The power supply shall employ switching technology that shall result in large current capacities while generating minimal heat. It shall be wall-mountable using a holster with pluggable terminal strip. The unit shall measure 3" W x 5-3/4" H x 1-3/4" D and weigh 2 lb. The power supply shall be UL and C-UL listed.

SPS2454

The power supply shall be a Bogen Model SPS2454, or approved equivalent, and shall supply regulated 24V DC at 5.4A (108 CU) from a 120V AC, 60 Hz source. The power supply shall employ switching technology that shall result in large current capacities while generating minimal heat. The power supply shall include a power LED. It shall be wall-mountable using a holster with pluggable terminal strip. The unit shall measure 3-1/2" W x 7-3/4" H x 2" D and weigh 3 lb. The power supply shall be UL and C-UL listed.

PRS48

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