

Versatile AC/DC Power Supply Module



APPLICATIONS

The Versatile AC/DC Power Supply Module provides an attractive, unobtrusive powering option for Leviton Structured Media® Center (SMC) enclosures and eliminates multiple AC/DC power adapters. Its six regulated 12 VDC power ports using the Leviton Structured Media standard 2.1mm power jacks allow the installer to power multiple Leviton 12 VDC modules in the SMC. Two NEMA 120 VAC 15 A (total load) receptacles enable two plug-in AC/DC power adapters for other DC voltages. Connection to 120 VAC mains is quickly done using the provided pigtails and wire nuts. The Versatile Power Supply nearly hides itself when inserted in the cutout at the bottom of the SMC enclosure.

STANDARDS COMPLIANCE

Meets or exceeds all applicable standards and agency requirements: UL Standard 60950 – Information Technology Equipment CSA Standard (comparable to UL 60950)

PHYSICAL SPECIFICATIONS

Dimensions (overall): 4.67" (118.6 mm) H x 9.64" (244.86 mm) W x 2.50" (63.50 mm) D

AC Receptacles: Two upward facing, NEMA 5-15P, oriented to best fit for plug-in AC/DC power adapters

DC Power Jacks: Six 2.1 mm power jacks, with + 12 VDC on the center pin

DC Power Cords: Six 72" (1.83 m) DC power cord with 2.1mm power connector

LED Indicators: One green LED to indicate power is present

AC Mains Connections: Covered sheet metal compartment with Hot, Neutral, and Ground pig tails, with wire nuts provided

DESIGN CONSIDERATIONS:

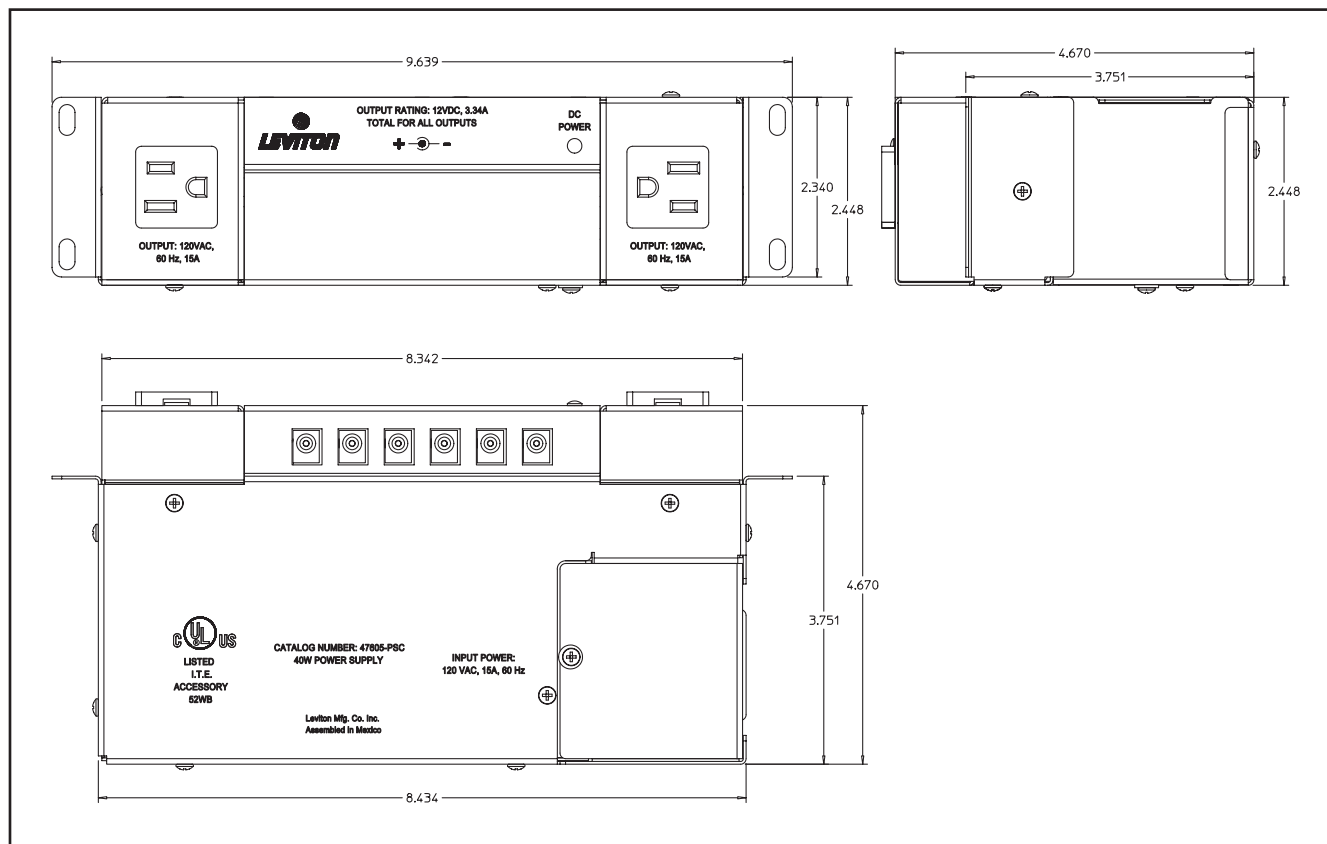
- Line Voltage Input: 120 VAC \pm 10%
- Maximum Continuous Line Voltage: 134 VAC
- Max Current Input: 15 Amps
- Source Frequency: 47/63 Hz
- DC Power Output: 40 Watts, 3.3333 Amps
- DC Voltage Output: Six at 12 VDC, \pm 2%
- Max Current Output, 12 VDC: 3.34 Amps maximum
- This unit connects to a 120 VAC, 3 wire source and provides 6 DC outputs at 12 Volts.
- NEMA 5-15 Receptacles: These two AC output female connectors will provide 120 VAC and shall be UL rated at 15 Amps total.
- The DC power supply will meet or exceed the following DC voltage performance characteristics:
 - Short Circuit Overload Protection: Continuous
 - Load Regulation, 12 VDC: \pm 2 %
 - Ripple & Noise: \pm 1 % pk - pk max
- DC Current Limiting: A single PTC is provided to limit the DC output current to approximately 4 amps
- Fuse: If the AC/DC primary circuit load or if the DC output load increases, causing the input AC current to the DC power supply to exceed the 2 Amp maximum rating, this internal fuse shall open. This will cause the DC power supply to loose all DC power output. AC power output to the NEMA 5-15 Receptacles will remain active.
- DC Power Cables: 2 conductors (center conductor and shield), 22 AWG.
- LED: This Green LED will illuminate when input AC power has been applied to the unit and DC power is available. (Green LED indicates DC power output)
- Operating Temperature: 0 ° to 50° C
- Storage Temperature: -20 ° to 85° C
- Humidity: 5% to 95% (non-condensing)

Leviton Mfg. Co., Inc.

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WARRANTY INFORMATION

■ Two-year limited product warranty

Versatile AC/DC Power Supply Module 47605-PSC

TYPICAL SPECIFICATIONS

The versatile power supply shall mount in the Leviton Structured Media® Center (SMC) bottom cutout and project less than 1.25" (31.75 mm) into the interior of the SMC. AC power connections are via included wire nuts on pig-tails for hot, neutral, and ground. The AC power connection is within a cover requiring a tool for removal. The AC power connections are in a part of the Versatile power supply suspended below the SMC. A green LED shall indicate AC power has been applied to the unit. The unit shall have two NEMA-15P connectors providing 120 VAC (47/63 Hz) at a total maximum of 15 A. The unit shall have six 12 VDC 2.1 mm power jacks facing to the front of the SMC with center conductor at +12 VDC. The integral DC power supply shall provide a total maximum

power of 40 watts (3.34 Amps) and include continuous DC short circuit protection. The AC input voltage to the DC power supply shall be fused so as not to exceed 2 Amps. DC load regulation shall not exceed $\pm 2\%$ and ripple and noise shall not exceed $\pm 1\%$ pk - pk. Operating temperature is from 0° to 50° C in relative humidity from 5% to 95% (non-condensing). The unit shall include six two conductor DC power cords, 72" (1.83 m) in length, with 2.1 mm power connectors molded to both ends.

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B-1319/F08-tp