

Versatile AC/DC Power Supply Module

APPLICATION

The Versatile AC/DC Power Supply Module provides an attractive, unobtrusive powering option for Leviton Structured Media® enclosures and eliminates multiple AC/DC power adapters. Its six regulated 12V DC power ports, using Leviton Structured Media standard 2.1mm power jacks, allow the installer to power multiple Leviton 12V DC modules in the enclosure. 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 pigtailed and wire nuts. The versatile power supply nearly hides itself when inserted in the cutout at the bottom of the enclosure.



DESIGN CONSIDERATIONS

- Unit connects to a 120 VAC, three wire source and provides six DC outputs at 12 Volts
- NEMA 5-15 Receptacles: 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: 12V DC: $\pm 2\%$
 - Ripple and 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 and causes the input AC current to the DC power supply to exceed the two Amp maximum rating, this internal fuse shall open, causing 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: Two conductors (center conductor and shield) 22 gauge

SPECIFICATION

The versatile power supply shall mount in the Leviton Structured Media enclosure bottom cutout and project less than 1.25 inches (31.75mm) into the interior. 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. AC power connections are in a part of the Versatile power supply suspended below the enclosure. 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 12V DC 2.1 mm power jacks facing to the front of the enclosure with center conductor at +12V DC. 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 two Amps. DC load regulation shall not exceed $\pm 2\%$ and ripple and noise shall not exceed $\pm 1\%$ pk - pk. Operating temperature shall be 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 inches (1.83m) in length, with 2.1mm power connectors molded to both ends.

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: See page two
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 + 12V DC on the center pin
DC Power Cords: Six 72" (1.83 m) DC power cord with 2.1mm power connector
Environment: Operating temperature of 0°C to 50°C
Storage temperature of -20°C to 85°C
Humidity: 5% to 95% (non-condensing)
Color: White painted cover and black DC connector cables

COUNTRY OF ORIGIN

Mexico

WARRANTY INFORMATION

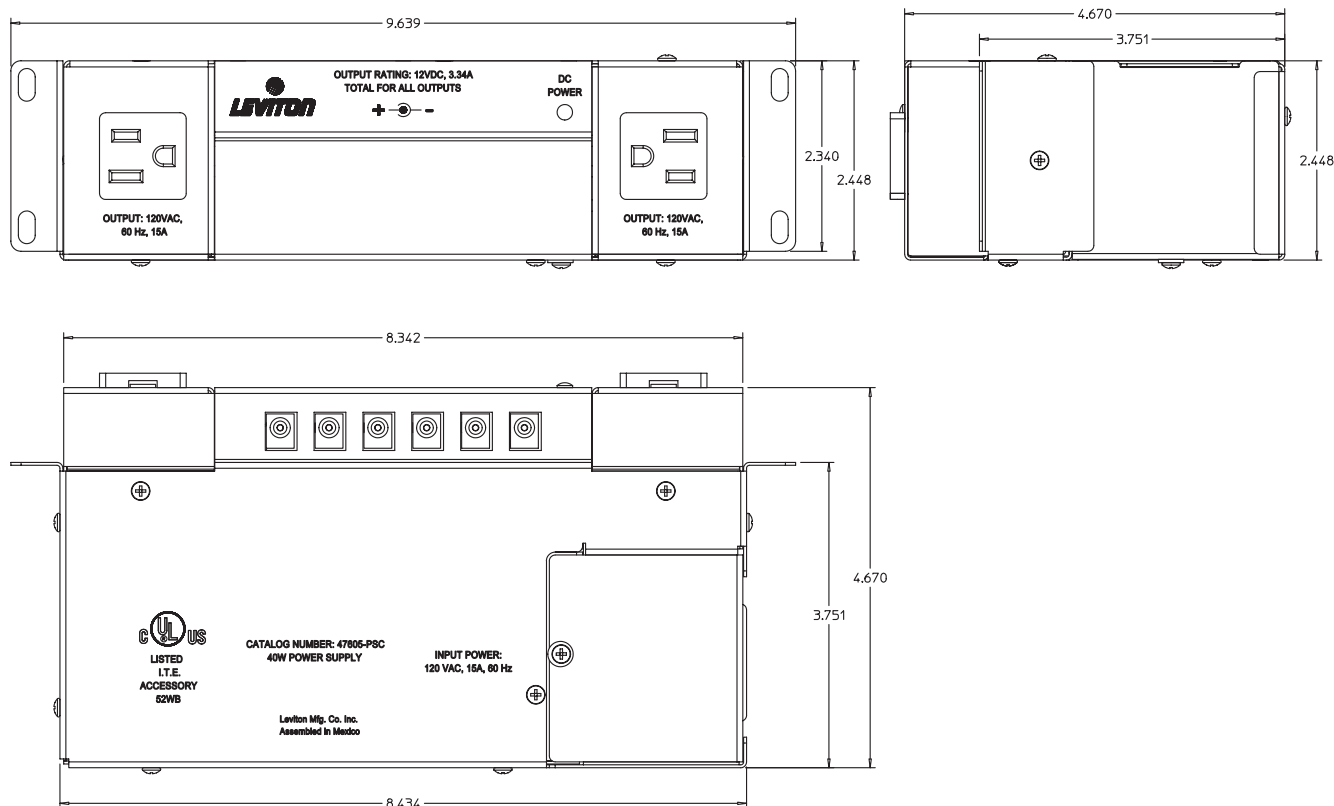
For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

ELECTRICAL SPECIFICATIONS

Line Voltage Input	120 VAC $\pm$ 10%
Max. Continuous Line Voltage	134 VAC
Max. Current Input	15 Amps
Source Frequency	47/63 Hz
DC Outputs	40 Watts, 3.3333 Amps 6 outputs at 12V DC $\pm$ 2% Max current = 12V DC: 3.34 Amps
LED	One green LED to indicate DC power is available



PART NUMBERS

Description

Versatile AC/DC Power Supply Module

Part No.

47605-PSC

