



PA601

Strategy Series® 60 Watt Amplifier

General Description

The Atlas Sound PA601 is a single channel amplifier designed for small to medium distributed business paging and background music (BGM) systems where applications require a simple and robust amplifier solution. 70.7V, 100V, and 4Ω outputs are provided to match a variety of system configurations. The output power of 60 watts RMS will match nicely with Atlas Sound FAP, SM, SD, and GD series loudspeakers. In fact, in an 11' ceiling application, the PA601 will provide power for up to 190 SD72W loudspeakers tapped at .25 watts each while providing upwards of 84dB in the direct sound field at ear height.

Regulatory Listings for the Atlas Sound PA601 are: TUV (UL 60065), CE, NOM (Mexico), BSMI (Taiwan), CCC (China), GOST (Russia), and UC (Brazil).

Architect & Engineer Specifications

The amplifier shall be a single channel device with an audio output of 60 watts into 4Ω, 70.7V, and 100V.

The amplifier output shall be transformer isolated for the 70.7V / 100V outputs and direct coupled for the 4Ω output with a frequency response of 50Hz – 20kHz with less than 0.5% THD at rated Output of 60 watts. It shall be capable of operation from multiple supply voltages (115V / 120V 230 - 240 VAC 50Hz / 60Hz lines) chosen via a rear panel mounted switch. The amplifier shall be convection cooled to protect from thermal and short circuit conditions. Front panel controls shall include an Input gain control which can be fixed through the use of an optional security cover. Power on shall be by push button control. Front Panel indicators shall include power on LED, peak overload LED, and signal presence LED.

The amplifier shall have a loudness contour switch on the rear panel that when activated provides a 4dB boost at 100Hz and a 4dB boost at 8kHz. It shall accept either balanced input via a rear panel mounted Phoenix style connector with a signal to noise ratio of greater than 55dB or unbalanced input to include a RCA connector with a signal to noise ratio of greater than 75dB. The rear panel shall include an unbalanced 600Ω line output terminated in a panel mount female RCA connector. The unbalanced input impedance shall be 10kΩ.

The amplifier front panel shall include an AC Mains power switch and an input gain control along with LED indicators for Power, Signal, and Overload.

Dimensions (W x H x D) shall be 8.27" x 3.66" x 14" (210mm x 93mm x 356mm) with feet or 3.48" (88.4mm) height without feet. Net weight shall be 14 lbs (6.35kg). Front panel finish and material shall be black ABS resin and case finish (and material) shall be black powder coated sheet steel.

The amplifier shall be Atlas Sound Model PA601. The optional rack-mount bracket kit shall be an Atlas Sound AARMK2-5. The optional level control security covers shall be an Atlas Sound AAVCC-5.



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Features

- 1 Channel @ 60 watts into 70.7V, 100V, and 4Ω Loads
- One Balanced Line Input
- 1 Mono Unbalanced RCA Input
- 1 Unbalanced Line Output
- Loudness Contour Switch
- Selectable AC Mains
- IEC AC Mains Power Connect
- Terminal Block Speaker Output
- Front Panel Level Control (Optional Security Cover)

Specifications

Power Rating:	60 watts RMS @ 70.7V 60 watts RMS @100V 60 watts RMS @ 4Ω (Direct Coupled) (Maximum average power @ 50Hz – 20kHz with 0.5% THD)
Inputs:	Line input balanced Phoenix style connector, Line input unbalanced RCA
Outputs:	Main: 60 watts RMS 4Ω direct coupled, 70.7V and 100V transformer coupled. Secondary: Unbalanced 600Ω line.
Power Consumption:	144 Watts @ Full Power 11 Watts @ Idle
Dimensions:	Height: 3.66" (93mm) Width: 8.27" (210mm) Depth: 14" (356mm)

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