



CP700

700W High Performance, Dual Channel Commercial Amplifier



CP700

Features

- 25V, 70.7V, 100V, and Direct Coupled (2,4, and 8Ω) Outputs Mounted on Barrier Strips with Covers for Safety
- Balanced Inputs on Barrier Strip and XLR Connectors
- Dual-Speed, High Efficiency Fan Cooling
- Loop Through Feature on Male XLRs, One Per Channel Input
- Power-Up Muting
- Short-Circuit, Temperature, and DC Offset Protection
- Soft Clip Limiter Protection
- Stepped Attenuators Mounted on the Rear for Security
- Stereo, Bridge, or Parallel Operating Modes Selectable Via Rear Mounted Switch
- Toroidal Output Transformers Provide Full Electrical Isolation and Meet Worldwide Safety Agency Approval

Application

The Atlas Sound CP700 is the perfect choice for distributed paging/BGM systems, foreground music systems, and distributed sound masking applications. Also perfect for night clubs, theaters, portable sound systems, and anywhere clean high-fidelity audio amplification is needed.

General Description

A professional grade audio power amplifier specifically designed for demanding contractor applications, the CP700 features an esoteric grade toroidal power supply and output transformers. These transformers were chosen for their outstanding reliability as well as extended frequency response (-3dB @ 30Hz - 70.7V output through transformer) Now you can have the peace of mind that systems specified with the CP700 will have true transformer output isolation, a feature that previously may have not been affordable due to the cost of quality external transformers.

CP700's two independent channels ensure maximum channel separation and ultra low distortion figures while providing years of faithful service.

Whether your application is a large distributed constant voltage sound system or a high SPL sound reinforcement system, the Atlas Sound CP700 is the perfect answer for high power/low cost amplification needs.

Specifications

Height	5 ³ / ₁₆ " (13 cm)
Width	18 ⁷ / ₁₆ " (48 cm)
Depth	16 ⁷ / ₁₆ " (42 cm)
Frequency Response	30Hz - 50kHz
Channels	Two
Connector Type	Terminal Block & XLR
Finish	Black
Number of Fans	1 - Variable Speed
Output Power	350 Watts/Channel @ 70.7V, 700 Watts 140V/200V Bridge Mono, 400 Watts/Channel @ 4Ω
Rack Spaces	3 RU
UL Listed/Standard	ETL to 813
Shipping Weight	54.00 lbs (24.49 kgs)

Architect and Engineer Specifications

The amplifier shall be Atlas Sound CP700 Commercial Audio Amplifier. The power amplifier shall have two channels. At 8 Ohms, 30Hz-20kHz, it shall deliver 240 Watts per channel. At 4 Ohms, 1kHz, it shall deliver 400 Watts per channel. At 2 Ohms, 1kHz, it shall deliver 550 Watts per channel. In bridge mono mode, with an 8 Ohm load, it shall deliver 850 Watts. In bridge mono mode, with a 4 Ohm load, it shall deliver 1100 Watts. The amplifier shall have internal circuits to protect itself from output short circuits and thermal overload and will protect attached loudspeakers from amplifier failure and DC voltages. A variable speed fan shall provide heat sink cooling. Each channel to have an input sensitivity of 1.25V, frequency response shall be 30Hz-50kHz +0/-3dB direct mode and 30Hz-16kHz +0/-3dB in transformer mode. Front panel indicators to include signal present, limiter, and protection LEDs. Rear mounted stepped attenuators to provide repeatability of gain settings. Input terminations shall be balanced on barrier strip terminals or XLR female connectors. Loudspeaker outputs shall be of the barrier strip type. A switch on the rear panel to provide selection of Stereo, Parallel, and Bridge Modes of operation. Dimensions shall be 5.19" x 18.9" x 16.85" and the amplifier shall weigh 57 lbs.

©2014 Atlas Sound L.P. All rights reserved. Atlas Sound and Strategy Series are trademarks of Atlas Sound L.P. All other trademarks are the property of their respective owners. AT5004890 RevA 5/14