

Key Features:

- 2 x 430W at 70V or 4 Ohms
- 2 U Rack Space Chassis
- Rear Level Controls
- Complete Protection Package
- Bridge Mode Operation Provides 1 x 860W at 8 Ohms
- Selectable 50Hz or 300Hz Hi-Pass Filter for each Channel
- Phoenix Type Inputs
- Phoenix Type Outputs
- High Efficiency Circuit Design
- Front Panel Power On/Off

General Description:

The Electro-Voice® PA2400T is from the PA series of professional commercial audio amplifiers. The direct path airflow design reduces the heat buildup significantly and allows for more amplifier channels and output power in slim two rack space chassis. The audio performance of the PA2400T is superior and fulfills the requirements in many demanding long term applications from sound reinforcement, paging or life safety installations.

High performance torroidal power and output transformers combine clean saturation free audio performance with cool running operation. The PA2400T features many of the same comprehensive protection circuits typical in EV amplifiers. Complete protection is provided for high temperature, audio limiters, power up delay and peak current limiters. In addition to the rated output power, the PA2400T provides excellent headroom for a wide dynamic range on music signals. The onboard dynamic limiter ensures that the output clipping of the PA2400T will not will not generate excessive distortion. The amplifier channels can be bridged for more power flexibility.

Marked level controls on the rear panel provide hidden reliable level adjustments for each channel. Front panel LEDs indicate signal present, 0 dB, and limit. Phoenix type connectors for inputs and outputs provide an easy rack wiring.



Technical Specifications:

Number of Channels 2 Load Impedance 8 Ohm 4 Ohm 70V Rated Output Power (*Rated Load) THD<1%, 1kHz 215W 430W 430W Rated Output Power (*Rated Load) THD<0.2%, 20Hz20kHz 200W 400W 400W Slew Rate at 1kHz 25V/µs 46V/µs Frequency Response, -1dB, Ref. 1kHz 65Hz - 40kHz 65Hz - 20kHz
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Damping factor, at 100Hz / 1kHz, >250 N/A 4 Ohm
Power Bandwidth THD=1%, Ref. 45Hz - >20kHz 1kHz, Half Power
Input Impedance, 20Hz 20kHz, >20kOhm Balanced
Signal-to-Noise Ratio, A-Weighted 103 dB
Input Sensitivity at Rated Output 0dBu (775mV) Power or Voltage, 1kHz
THD at rated output power, <0.1% MBW=80kHz, 1kHz
IMD-SMPTE, 60Hz, 7kHz <0.1%
DIM30, 3.15kHz, 15kHz <0.1%
Crosstalk, Ref. 1kHz, at 10% Rated <-75 dB Output Power
Power Requirements 120V or 230V, 50Hz - 60Hz
Protection Audio Limiters High Temperature Peak Current Limiters Turn-On Delay
Cooling Front-to-Rear
Dimensions (W x H x D), mm 483 x 88 x 406mm (2Ru) 19" x 3.5" x 16"
Weight 26kg (57.27lbs)

Low Impedance Outputs:

Min. Rated Load for Single Channel Operation is 4 Ohms. 2 Ohm Load is Not Recommended.
Min. Rated Load for Bridged Operation is 8 Ohms. 4 Ohm Load is Not Recommended.

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Block Diagram:



Dimension Drawings:





Ev Electro:Voice[®]

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