

TWO-CHANNELS CLASS-H PROFESSIONAL AMPLIFIER



Electronic

4Ω LO-Z
2 CHANNELS

2 HU

DESCRIPTION

The Tecnares APA Series power amplifiers are a range of affordable, high quality performance two channel professional amplifiers.

The line consists of three models in a uniform, rugged 2U chassis, that combine the latest high-performing class-H power amplification technology with long-term reliability.

It features independent gain knobs, signal clip and fault LEDs, stereo XLR input, 1.4 V to 0.775 V input sensitivity switch, mono - parallel - bridge switch, speakON® outputs and binding post output connectors.

Moreover, it is protected against shorts and open circuits. Thanks to its high efficiency heat sinks and high speed DC fans, the APA Series can withstand the hardest heat conditions ensuring great reliability.

APA1500 is a 2 channel power amplifier that delivers up to 2x 750 W RMS @ 4 Ω (1x1500 W RMS bridged @ 8 Ω), in a weighing of 12 kg.

APA2700 is a 2 channel power amplifier that delivers up to 2x 1350 W RMS @ 4 Ω (1x2700 W RMS bridged @ 8 Ω), in a weighing of 12,7 kg.

APA5000 is a 2 channel power amplifier that delivers up to 2x 2600 W RMS @ 4 Ω (1x5200 W RMS bridged @ 8 Ω), in a weighing of 23.1 kg.

MAIN APPLICATIONS

- Small to Medium-scale venues
- DJs
- Club Sound
- House of worship
- Distributed, Fill and Under Balcony

MAIN FEATURES

- Two-channels of Class-H Power
- 2 HU, 19" rack
- Low distortion and fast response
- Extensive protection ensure hi-reliability
- Signal, clip & fault LEDs
- 0.775V and 1.4V sensitivity selectable
- Balanced XLR input; SpeakON and binding post output

2 channels, power output per channels

	APA1500	APA2700	APA5200
4 Ohm	750 Watt	1350 Watt	2600 Watt
8 Ohm	500 Watt	800 Watt	1500 Watt

Technical Specifications

Rated Power/model	APA-1500	APA-2700	APA-5200
4Ω nominal load stereo (per channel)*	750W	1400W	2600W
8Ω nominal load stereo (per channel)*	500W	1000W	1400W
8Ω nominal load Bridge mono	1500W	2700W	5200W
Performance			
Frequency response (at 1 Watt)	±1dB, 20Hz-20kHz		
Total Harmonic distortion, THD+N	Typical: 0.5%, 20Hz - 20kHz		
Intermodulation Distortion 60Hz and 7kHz at 4:1 from full rated output to -30dB	≤0.35%		
Slew Rate	>20V/us		
Voltage Gain	36dB	37dB	37dB
Damping Factor @ 8Ω 10Hz to 400 Hz	>200		
Signal-to-Noise Ratio (below rated power, 20Hz to 20kHz. A-weighted)	>100dB		
Crosstalk (below rated power) At 1kHz At 20kHz	-75dB -58dB		
Input sensitivity (full rated power @8Ω)	0.775V or 1.4V		
Nominal Input impedance Balanced / Unbalanced	20k Ohm, electronically balanced / 10k Ohm		
Construction			
Protection System	Protection agains short circuits, no-load, on/off muting, RF interference		
Ventilation	Flow-through ventilation from front to back		
Cooling	Internal heat sinks with force air. Fan cooled, variable speed; thermal protection.		
Power cord specification	Plug: 10A, 250V; 3 x 1mm² power cord		
Chassis size	482x88x297 (mm) 19"x3.46"x11.69"	482x88x365(mm) (19"x3.46"x14.37")	
Net Weight	10,5kg. / 23.14lbs	15,8kg. / 34.83lbs	21,6kg. / 47.61lbs

* Test condition = 1kHz (HIA) nominal ambient temperature of 40degC / 105degF, THD+N=0,5%



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