

# AD 21300

2 Channel Power Amplifier



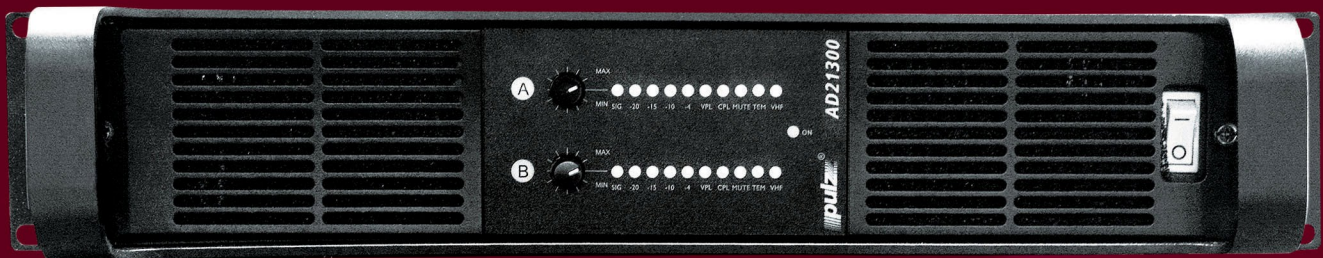
Pulz AD21300 is a two channel power amplifier designed and built for applications where sonic transparency and robust high power output capability are the prime criteria.

Built around an oversized classic toroidal power supply and ultra - linear Class AB output stage, Pulz AD21300 packs 3500 Watts of continuously deliverable clean audio in a 2U chassis.

This is made possible by the innovative dynamic power tracking controller (DPT) which fluidly adjusts the power supply rails to track the signal. As a result unwanted power dissipation in the output stages is minimized by almost 80%. The Pulz AD21300 remains relatively cool even when driving the most demanding low impedance subwoofer loads. This approach is superior to the standard SMPS based power supplies which are prone to failures and compromise the sonic purity due to interferences.

All the components used in the Pulz AD21300 are of the highest standard and from the most reputed manufacturers.

Channel independent soft clipping, level indicators, sensitivity selection, protection and high CMRR balanced input stages are the additional useful features which makes Pulz AD21300 out perform the standard amplifiers currently available.



## Features :

- High efficiency DPT Technology
- Premium heavy duty Toroidal Transformer
- Highly sensitive CMRR balanced input stage
- Ultra low-load output capacity
- Channel independent power, Signal and clip LEDs

**DPT**

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## Specifications

No. of Channels	2
Output Power (per channel)	2 X 400 Watts @ 16Ω 2 X 800 Watts @ 8Ω 2 X 1300 Watts @ 4Ω 1 X 2500 Watts @ 8Ω in bridge mode 1 X 3500 Watts @ 4Ω in bridge mode
Frequency response	20Hz - 20kHz, +0/-0.5dB
Total Harmonic Distortion + Noise	<0.1%
Signal to Noise Ratio	110dB
Damping factor	>300
Crosstalk	<-60dB
Slew Rate	>10V/us
Input Sensitivity	0.7V, 1.4V
Input Impedance	20kΩ balanced
Voltage Gain	38dB at 0.7V Sensitivity
Cooling	Air flow from front to rear
Protection	Fuseless short circuit protection, Ultrasonic and RF protection, Thermal protection
Load protection	Turn on delay, DC fault protection, Ultrasonic limiting
Power requirement	220V AC 50Hz, ±10%

## Connectors

Inputs	Balanced inputs XLR-F
Outputs	NL4 Speakon
Front panel	Power switch, Level control, Power indicator, Signal indicator, Clip, Protection
Rear panel	Stereo/Bridge switches, Sensitivity selection switch VCL selection switch

## Dimensions/Weight

Product dimensions	88 mm X 490 mm X 490 mm (3.4" X 19.3" X 19.3")
Net Weight	32 kg (70 lb)
Packed Weight	35 kg (77 lb)

Pulz reserves the right to make changes in specification without prior notice.

sound matters

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