



Product Overview

ZP-32 series is a two-channel Class-D power amplifier built in compact 1U rack-mount chassis. It supports dual output modes of 100V constant voltage and 8-ohm low impedance, with continuous RMS power ranging from 2×150W to 2×500W for flexible project matching.

Adopting efficient Class-D circuit design, it features low heat generation, high energy efficiency and stable long-running performance. Standard 1U rack size enables easy integration into audio equipment cabinets. Suitable for conference rooms, classrooms, multi-function halls and public address systems to drive wall speakers and other audio terminals.

Suitable for applications including:

- ✓ Conference Rooms
- ✓ Auditoriums
- ✓ Campus Broadcasting Systems
- ✓ Shopping Malls
- ✓ Hotel Public Areas
- ✓ Office Buildings
- ✓ Stadiums
- ✓ Railway Stations
- ✓ Parks & Scenic Spots
- ✓ Factory Workshop PA Systems



Key Features

- 1. Two-channel Class-D amplifier with high efficiency and low heat generation
- 2. RMS output power options: 2×150W up to 2×500W for diversified project demands
- 3. Dual output modes supporting 100V constant voltage and 8Ω low impedance
- 4. Compact 1U rack-mount design, easy for installation in standard audio cabinets
- 5. Stable continuous operation, ideal for long-duration public address applications
- 6. Optimized circuit structure delivers low distortion and clear sound reproduction
- 7. Multiple built-in protection mechanisms against short circuit, overload and overheating
- 8. Lightweight chassis compared with traditional analog power amplifiers
- 9. Wide compatibility with wall speakers, ceiling speakers and professional audio terminals
- 10. Perfect for conference rooms, classrooms, multi-function halls and commercial PA systems

Technical specifications

Model	ZP-32120D	ZP-32240D	ZP-32350D	ZP-32500D
Product Type	Two-channel Class-D power amplifier			
Amplifier Topology	Class-D digital amplifier			
Rated RMS Output Power	2×150W	2×240W	2×350W	2×500W
Output Modes	100V constant voltage / 8Ω low impedance			
Chassis Form Factor	1U standard rack-mount			
Power Efficiency	High-efficiency Class-D circuit design			
Total Harmonic Distortion (THD)	<0.5% (at rated power)			
Frequency Response	20 Hz – 20 kHz			
Signal-to-Noise Ratio (SNR)	>90 dB			