

# Power Amplifiers

▶ (AMP-A1-350/500/650/1000/1500/2000)

## ▶ INTRODUCTION

To amplify low-level signals from front-end devices (e.g., preamplifiers, mixers) via voltage and power amplification, boosting audio to a level capable of driving speakers. Ideal for applications requiring stable sound reinforcement.



(AMP-A1-350/500/650)



(AMP-A1-1000/1500/2000)

## ▶ KEY FEATURES

- ▶ Supports versatile system integration with 100V/70V constant voltage/impedance outputs, eliminating extra devices and costs.
- ▶ Allows quick issue detection with 5 real-time LED indicators for power, signal, overload, and protection status.
- ▶ Facilitates complex system setup via 6.3mm/XLR loop-through interfaces for easy device cascading in large installations.
- ▶ Protects equipment with automatic short-circuit protection and visual alerts, reducing repairs and enhancing reliability.
- ▶ Offers flexible power options with 6 ratings (350W–2000W) for versatile system design across all scenarios.

## TECHNICAL SPECIFICATIONS

Model	AMP-A1-350	AMP-A1-500	AMP-A1-650	AMP-A1-1000	AMP-A1-1500	AMP-A1-2000
Power Consumption	350W	500W	650W	1000W	1500W	2000W
Rated Voltage	70 V/100 V or 4–16 Ω output					
Audio Input	1× 3-pin XLR, 1× 6.35 mm					
Audio Output	1× 3-pin XLR, 1× 6.35 mm					
Input Sensitivity	0 dBV					
Signal-to-noise Ratio (SNR)	>80 dB			>90 dB		
Damping Factor	200:1					
Input Common Mode Rejection Ratio (CMRR)	> 90 dB					
Frequency Response	50 Hz–15 kHz (±3 dB)			80 Hz–15 kHz (±3 dB)		
Total Harmonic Distortion (THD) (4 Ω/1 kHz)	<0.3%					
Slew Rate	>15 V/μs					
Indicators	5× LED indicators (for Power, Clipping, Signal, Protection, and Temperature)					
Protection	Power-on, high temperature, DC, short circuit					
Power Requirement	220–240 V AC / 50–60 Hz					
Dimension (W×H×D)	483×88×380 mm			483×132×505 mm		
Weight	12.2 kg	14.5 kg	16.2 kg	22.8 kg	25.3 kg	27.6 kg

Product specifications are subject to change without notice.

## ORDERING INFORMATION

Model	Description
AMP-AI-350	350W, 2U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs
AMP-AI-500	500W, 2U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs
AMP-AI-650	650W, 2U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs
AMP-AI-1000	1000W, 3U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs
AMP-AI-1500	1500W, 3U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs
AMP-AI-2000	2000W, 3U, power amplifier with 70V/100V rated voltage or 4~16 $\Omega$ output, XLR and 6.35mm inputs/outputs

## ▶ DIMENSION DRAWING



AMP-AI-350/500/650



AMP-AI-1000/1500/2000