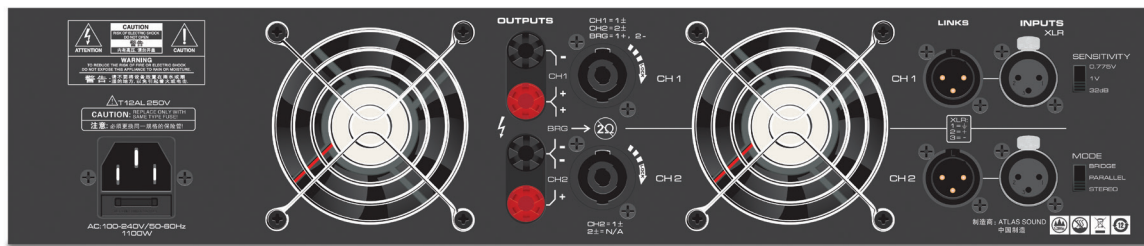


MPA Series

Class D Amplifier



Features

- Universal Mains Regulated SMPS Power Supply and Class D Power Modules
- Implementing Power Factor Correction Technology
- XLR Signal Input and Link Connectors
- SpeakON NL4 and Binding-post Output Connectors
- Input Sensitivity Selector On the Back Panel (0.775v / 1V / 32dB)
- Routing Mode Selector On the Back Panel (Stereo / Bridge / Parallel)
- CCC Certification

General Description

The MPA series power amplifiers by AtlasIED are a versatile, efficient, and affordable option for those requiring an all-purpose amplifier for paging and background music applications. Integrating Power Factor Correction (PFC) technology along with a universal mains regulated SMPS power supply and class D circuit topology, the MPA series delivers all the functional requirements needed for the majority of reinforcement applications.

AtlasIED class D technology utilizes the most advanced electronics within the smallest form-factor to deliver highly efficient performance in a design that only uses 2RU of rack space. The innovative Power Factor Correction (PFC) technology and renowned R-SMPS power supply maximizes power consumption while minimizing loss, enabling each model to deliver higher output with less current draw. Additionally, PFC improves audio quality by reducing distortion through the generation of lower harmonics during the conversion power conversion process.

MPA Series amplifiers provide unmatched system functionality and affordability while also delivering the highest levels of sonic performance.

System			
Type	Power Amplifier, 2 Channel		
Output Power	MPA2402	MPA1202	MPA0802
8Ω x 2 CH	2 x 700W	2 x 500W	2 x 300W
4Ω x 2 CH	2 x 1250W	2 x 850W	2 x 500W
8Ω Bridged	1 x 2500W	1 x 1700W	1 x 1000W
4Ω Bridged	1 x 3200W	1 x 2500W	1 x 1500W
Inputs			
Input Impedance	20KΩ (Balanced) 10KΩ (Unbalanced)		
Input Sensitivity	775mV / 1.0V / 32dB (Selectable)		
Input Connectors Type	XLR		
Level Control			
Front Panel Manual	Stepped Attenuators		
Electrical Specifications (General)	MPA2402	MPA1202	MPA0802
Total Harmonic Distortion 1 kHz and 1 dB Below Rated Power	≤ 0.09%		
Signal to Noise Ratio	≥ 100dB (A-Weighted)		
Frequency Response	20Hz - 20kHz (+0/-1dB)		
Input Sensitivity	0.775V / 1.0V / 32dB (Selectable)		
Slew Rate	≥ 10V / μs		
Damping Factor	≥ 500		
Gain	39.7dB	38.2dB	36dB
Protection	Soft Start, DC Offset, Short, Overload, Clip, Thermal		
Dimensions and Weight			
Rack Mount Requirements	2 RU, 19"		

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