

ATA-L8 Power Amplifier

- Maximum Output Voltage: 1020Vrms
- Maximum Output Power: 1000VA
- Bandwidth (-3dB): 200Hz~120kHz
- Over Current Protection



INTRODUCTION

The ATA-L8 is an ideal single-channel power amplifier. It delivers a maximum output voltage of 1020Vrms and a maximum power of 1000VA. It is capable of driving 0~100% of both resistive and non-resistive loads. The output impedance is matched with multiple selectable ranges, allowing users to adjust according to specific testing requirements.

LCD PANEL DISPLAY

The ATA-L8 features an LCD display that dynamically displays device status and parameters. The user interface is intuitive, clear, and easy to understand, ensuring a user-friendly experience.

INPUT

Single-ended input via a BNC connector.

MONITOR

Output Current Monitor: 100mV/A Output Voltage Monitor: 5mV/V

The output monitoring port uses a BNC connector and can be directly connected to an oscilloscope for real-time monitoring.

OUTPUT

The output impedance is matched with multiple selectable voltage ranges. According to testing requirements, the output can be adjusted by setting the desired voltage percentage (0~100%) within the corresponding range. The device features Over Temperature Protection and Over Load Protection. The LCD panel displays the current protection status, and output can only be resumed after the fault has been cleared.

Output Impedance Matching Adjustment Ranges

Output Impedance (Ω)	30	115	260	460	720	1040
Maximum Output Voltage (Vrms)	170	340	510	680	850	1020
Maximum Output Current (Arms)	5.67	2.96	1.96	1.48	1.18	0.98

Note: 1. The valid value of the input signal must not exceed 1V. Adjustments within this limit may be made as needed for actual use.

2. During operation, the device must be used strictly within the specified bandwidth, maximum output voltage, and load limits. Over-

range operation are strictly prohibited.

Specifications

Model	ATA-L8
Bandwidth (-3 dB)	200Hz~120kHz
Maximum Output Voltage	1020Vrms
Input Voltage for Full-Scale Output	1Vrms (1kHz)
Maximum Output Power	1000VA
Harmonic Distortion	$\leq 1\%$ @1kHz, 85Vrms(170Vrms range)
Voltage Monitoring	5mV/V ($\pm 5\%$ @Output, FS)
Current Monitoring	100mV/A ($\pm 5\%$ @Output, FS)
Input Impedance	10k Ω
Output Interface	4mm Banana socket
Protection	Over Current Protection
Signal Ground	Connected to chassis and power line ground

Others

Power Supply Voltage	AC 220V $\pm 10\%$, 50Hz
Operating Temperature	0°C ~ 45°C
Storage Temperature	-20°C ~ 50°C
Working Humidity	$\leq 80\%$ RH, non-condensing
Warranty	1 year
Dimensions	442*297*574mm (W*H*D)

Ordering Information

Model	ATA-L8 Single Channel Power Amplifier
Accessories	Power cable*1, BNC cable*3, red-black output cable*1 set, USB cable*1, fuse*1, user manual, usage guide, product qualification certificate, calibration certificate, and packing list (one copy each).
Contact Us	+86-29-88865020