

**Description**

Designed with touring sound professionals in mind, the ACM L Series power amplifiers faithfully produce high power with low distortion in an extremely economical package.

With advanced anti-shock, over current, output short cut, DC offset circuit design, the L Series amplifiers offer the protection that ensures safe & trouble free shows night after night.

The L Series professional power amplifiers provide ACM's renowned sonic integrity while providing exceptionally high power ratings in a compact, lightweight, 2U package.

The L Series amps feature Automatic Clip Limiting (ACL) to protect connected drivers; tunnel-cooled, high efficiency heat sinks. And variable-speed DC fans to limit the operating temperature and extend amplifier life.

**L Series Power Amplifier**



acmaudio  
**L200/300/400/600**  
**L Series Power Amplifier**



**Specifications**

<b>Minimum Guaranteed Power</b>	<b>L200</b>	<b>L300</b>	<b>L400</b>	<b>L600</b>
Stereo, 4 ohms (per ch.)	300W	450W	600W	900W
Stereo, 8 ohms (per ch.)	200W	300W	400W	600W
<b>Performance</b>	<b>L200</b>	<b>L300</b>	<b>L400</b>	<b>L600</b>
<b>Load Impedance</b> (Note: Safe with all types of loads) Stereo Bridge Mono	4-8 ohms	4-8 ohms	4-8 ohms	4-8 ohms
Frequency Response (at 1 watt, 20Hz - 25 kHz) <sup>3</sup>	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Phase Response (at 1 watt, 20Hz to 20 kHz)	+10°,-20°	+10°,-20°	+10°,-20°	+10°,-20°
Signal to Noise Ratio below rated power A-weighted	≥103dB	≥103dB	≥103dB	≥103dB
Total Harmonic Distortion (THD) at 1 full bandwidth power, from 20 Hz to 20 kHz	≤0.1%	≤0.1%	≤0.1%	≤0.1%
Intermodulation Distortion (IMD) 60 Hz and 7 kHz at 4:1, from full rated output to -35 dB	≤0.05%	≤0.05%	≤0.05%	≤0.05%
Damping Factor (8 ohm): 20 Hz to 400 Hz	≥300	≥300	≥300	≥300
Crosstalk (below rated power, 20 Hz to 20 kHz)	≥-60dB	≥-60dB	≥-60dB	≥-60dB
Common Mode Rejection (CMR)(20 Hz to 1 kHz)	≥-65dB	≥-65dB	≥-65dB	≥-65dB
DC Output Offset (Shorted input)	≤10mV	≤10mV	≤10mV	≤10mV
Input Impedance (nominally balanced, nominally unbalanced)	20 kΩm, 10 kΩm	20 kΩm, 10 kΩm	20 kΩm, 10 kΩm	20 kΩm, 10 kΩm
Sensitivity (volts RMS) for full rated power at 8 ohms	0.775V, 34.3dB	0.775V, 36dB	0.775V, 37.2dB	0.775V, 329dB
Input/Output Connectors	XLR/NL4	XLR/NL4	XLR/NL4	XLR/NL4
AC Line Voltage and Frequency Configurations Available (±10%)	~220-240 V and 50/60 Hz	~220-240 V and 50/60 Hz	~220-240 V and 50/60 Hz	~220-240 V and 50/60 Hz
AC Line Current (both amplifiers draw no more than 90 watts at idle)	3A	4A	6A	9A
<b>Construction</b>	<b>L200<sub>450</sub></b>	<b>L300</b>	<b>L400<sub>9</sub></b>	<b>L600</b>
Weight Net	14kg	16kg	19kg	24kg
Shipping	17kg	19kg	22kg	27kg