

# acm M 2300

## Description

The M Series professional power amplifiers offer ACM renowned integrity and can handle exceptionally high power ratings in a compact, light weight 2RU package. The M Series amps also feature Automatic Clip Limiting to protect connected drivers; Impedance sensing to accommodate varying impedance outputs; tunnel cooled, high efficiency heat sinks; and variable speed DC fans to limit the operating temperature and extend amplifier life. Models in the series include the M2200, M2300 and M2500.

|       | 8 Ohm stereo | 4 Ohm stereo | 2 Ohm stereo | 4 Ohms bridged | Weight |
|-------|--------------|--------------|--------------|----------------|--------|
| M2200 | 200W         | 300W         | 450W         | 900W           | 16kg   |
| M2300 | 300W         | 450W         | 675W         | 1350W          | 18kg   |
| M2500 | 500W         | 750W         | 1125W        | 2250W          | 23kg   |



## M 2300



# acmaudio

Professional Power Amplifier

[www.acmaudio.com](http://www.acmaudio.com)



# M 2300

## Professional Power Amplifier



### Specifications

**Rated power bridge mode 4 Ohms**  
1350 Watts @ 1 kHz at <0.1% T.H.D.

**Rated power (2 X 2 Ohms)**  
675 Watts per channel @ 1 kHz at <0.1%  
T.H.D. both channels driven

**Rated power (2 X 4 Ohms)**  
450 Watts per channel @ 1 kHz at <0.05%  
T.H.D. both channels driven

**Rated power (2 X 8 Ohms)**  
300 Watts per channel @ 1 kHz at <0.025%  
T.H.D. both channels driven

**Rated power (1 X 2 Ohms)**  
750 Watts @ 1 kHz at <0.1% T.H.D.

**Power bandwidth**  
10 Hz - 30kHz; +0, -3 dB at rated 200 Watts 8 Ohm power

**T.H.D.(2 X 2 Ohms)**  
<0.1% @ 500 Watts per channel from 20 HZ to 20 kHz

**T.H.D.(2 X 4 Ohms)**  
<0.1% @ 350 Watts per channel from 20 HZ to 20 kHz

**T.H.D.(2 X 8 Ohms)**  
<0.1% @ 250 Watts per channel from 20 HZ to 20 kHz

**Input CMRR**  
>-65 dB @ 1 kHz

**Rated power (1 X 4 Ohms)**  
500 Watts @ 1 kHz at <0.05% T.H.D.

**Rated power (1 X 8 Ohms)**  
330 Watts @ 1 kHz at <0.025% T.H.D.

**Minimum load impedance**  
2 Ohms

**Maximum RMS voltage swing**  
53 Volts

**Frequency response**  
10 Hz - 100 kHz; +0, -3 dB at 1 Watt

**Phase response**  
>+5 to -15 from 20 Hz to 20 kHz

**Input impedance**  
10 k Ohms, balanced

**Cooling**  
Two temperature dependant variable speed  
80mm high output DC fans

**Controls**  
Two front panel attenuators, rear panel mode  
switch and gain select switch

**Voltage gain**  
0.775V, 32 dB or 26 dB

**Crosstalk**  
>-60 dB @ 1 kHz at rated power @ 8 Ohms

**Hum and noise**  
>-105 dB, "A" weighted referenced to rated power @ 8 Ohms

**Slew rate**  
>30V/us

**Damping factor (8 Ohms)**  
>500:1 @ 20Hz - 1 kHz

**Indicator LEDs**  
2 Clip, 2 signal presence, 1 active status, 2 Protection

**Protection**  
Thermal, DC, turn-on bursts, subsonic, incorrect loads

**Connectors**  
XLR, Speakon and Binding Post speaker output, 240/230 Volt 20 amp IEC mains

**Construction**  
16 ga. Steel

**Dimensions**  
89 mm x 483 mm x 496 mm

**Net weight**  
18kg

**Gross weight**  
21 kg