

acm M 2500

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



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Professional Power Amplifier

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Specifications

Rated power bridge mode 4 Ohms
2250 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (2 X 2 Ohms)
1125 Watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven

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

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

Rated power (1 X 2 Ohms)
1260 Watts @ 1 kHz at <0.1% T.H.D.

Power bandwidth
10 Hz - 30kHz; +0, -3 dB at rated 350 Watts 8 Ohm power

T.H.D.(2 X 2 Ohms)
<0.1% @ 900 Watts per channel from 20 HZ to 20 kHz

T.H.D.(2 X 4 Ohms)
<0.1% @ 600 Watts per channel from 20 HZ to 20 kHz

T.H.D.(2 X 8 Ohms)
<0.1% @ 400 Watts per channel from 20 HZ to 20 kHz

Input CMRR
>-65 dB @ 1 kHz

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

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

Minimum load impedance
2 Ohms

Maximum RMS voltage swing
77 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
>-107 dB, "A" weighted referenced to rated power @ 8 Ohms

Slew rate
>30V/us

Damping factor (8 Ohms)
>700:1 @ 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
23kg

Gross weight
26 kg