

acm M 2800

Description

The M Series professional power amplifiers offer ACM renowned integrity and can handle exceptionally high power ratings in a compact, light weight 3RU 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.

| | 8 Ohm stereo | 4 Ohm stereo | 2 Ohm stereo | 8 Ohms bridged | 4 Ohms bridged | Weight |
|---------|-----------------|-----------------|-----------------|-------------------|-------------------|--------|
| M2800 | 800W | 1200W | 1500W | 2400W | — | 32kg |
| M2800.2 | 800W | 1200W | 1800W | 2400W | 3600W | 35kg |
| M21200 | 1200W | 1800W | 2200W | 3600W | — | 36kg |



M 2800 acmaudio Professional Power Amplifier

www.acmaudio.com



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Specifications

Rated power bridge mode 8 Ohms
2400Watts @ 1 kHz at <0.5% T.H.D.

Rated power (2 X4 Ohms)
1200 Watts per channel @ 1 kHz at <0.5%
T.H.D. both channels driven

Rated power (2 X 8 Ohms)
800 Watts per channel @ 1 kHz at <0.5%
T.H.D. both channels driven

Input CMRR
>-65 dB @ 1 kHz

Power bandwidth
20 Hz - 20kHz; +0, -0.5 dB at rated 200 Watts 8 Ohm power

T.H.D.(2 X 4 Ohms)
<0.05% @ 600 Watts per channel from 20 HZ to 20 kHz

T.H.D.(2 X 8 Ohms)
<0.05% @ 400 Watts per channel from 20 HZ to 20 kHz

Rated power (1 X4 Ohms)
1300 Watts @ 1 kHz at <0.5% T.H.D.

Rated power (1 X 8 Ohms)
860 Watts @ 1 kHz at <0.5% T.H.D.

Minimum load impedance
2 Ohms

Maximum RMS voltage swing
93Volts

Frequency response
10 Hz - 50 kHz; +0, -3 dB at 1 Watt

Phase response
+20° to -25° from 20 Hz to 20 kHz

Input impedance
20 k Ohms, balanced; 10k Ohms, unbalanced

Cooling
Low temperature dependant variable speed 120mm 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
>-104 dB, "A" weighted referenced to rated power @ 8 Ohms

Slew rate
>25V/us

Damping factor (8 Ohms)
>800:1 @ 20Hz - 1 kHz

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

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

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

Construction
16 ga. Steel

Dimensions
132mm x 483 mm x 498 mm

Net weight
32kg

Gross weight
35kg