

MA2300

2U Professional Power Amplifier



- Calibrated input attenuators
- Signal present, Maximum power and Protection
- 35mm TRS jack paralleled balanced inputs
- Mode selector (Parallel, Stereo or Bridge)
- Anti-clipping compressor and Earth-lift switches

OVERVIEW

The supply

The MA series power supply uses high-current toroidal transformers and a huge capacitor bank to ensure an uncommonly high amount of stored energy. This makes a critical difference in sound quality allowing incredible transient response and speakers motion control, even when driving 2 loads.

The audio performance

To achieve its remarkable sound quality, the NEXT MA series output circuits were engineered as a high bandwidth, very low bias and feedback class AB or H (MA3200 and MA3800), using the highest grade linear output devices. This approach yields outstanding studio-quality sound accuracy and detail.

TECHNICAL SPECIFICATIONS

| Output Power (RMS) | |
|-----------------------------------|--|
| Stereo 8: | 2x 600W |
| Stereo 4: | 2x 875W |
| Stereo 2: | 2x 1150W |
| Bridge 8: | 1750W |
| Bridge 4: | 2300W |
| Inputs and Outputs | |
| Input Sensitivity: | Selectable (0.77V / 1.0V / 1.44V) |
| Input Impedance: | 10k balanced to ground |
| Input Connectors: | Female XLR-3 and 6,35 TRS jack |
| Output Connectors: | 4 pole Speakon and binding posts |
| Audio Performance | |
| Frequency Response (half power): | 15Hz - 25.000Hz (+0 / -1dB) |
| THD+N at 1kHz (half power): | |
| IMD 60Hz and 7kHz, 4:1: | |
| Signal to Noise Ratio: | >105dB |
| Slew Rate (Input Filter Limited): | 40V/uS |
| Damping Factor 1kHz at 8: | >400:1 |
| Features | |
| Amplifier Topology: | Class AB |
| Protections: | Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF |
| LED Indicators (Per Channel): | Active, signal, limit, protect |
| Panel Controls: | Front: 2 input attenuators Rear: Ground lift, mode selection, compressor |
| Cooling: | Front to back via 2 variable speed fans |
| General | |
| Power Requirements: | 230VAC, 50Hz-60Hz (others by request) |
| Dimensions (WxDxH): | 483mm x 465mm x 88,8mm |
| Net Weight: | 23.3 kg |
| Shipping Weight: | 24.8 kg |