

Description

The POPE Professional® introduces new Class D amplifier technology offering smooth and responsive handling with massive power output while maintaining POPE Professional's famous sonic integrity. The POPE Professional MD Series is using SMPS technology with built in 4 in 4 out DSP, the resulting high power, lightweight units designed for install and professional touring sound applications.

The POPE Professional® MD Series is a range of 4 channels, high output power amplifiers. The MD Series has been designed to provide that, Powerful Pure Sonic Performance which is now so synonymous with the POPE Professional® brand name. With the introduction of the MD Series POPE Professional® aim to deliver simple, pure and reliable power for applications where cost and ease of use are paramount without lose of integrity.



Features

- Class - D Technology
- Power Factor Correction
- Four-channel flexibility
- XLR input and output connectors
- Self protection design
- Efficient cooling system
- Comprehensive protection
- 4 in 4 out DSP
- In/Out 10 Band Equalizer
- 20 Presets
- PC Control via USB

Applications

- Stadium
- Concerts
- Touring events
- Clubs and Discos
- Places of worship
- Theatre and Auditorium
- Educational Institutions

Power Output

Ratings (RMS @ 1% THD @ 230VAC)

Model	Total Channels	4Ω Per Channel	8Ω Per Channel	4Ω Bridged	8Ω Bridged	70/100V
M-500D	4	500W	250W	2*1250W	2*1250W	2*800W
M-800D	4	800W	400W	2*2500W	2*1600W	2*1600W
M-1250D	4	1250W	1250W	-	-	4*800W
M-2500D	4	2500W	1600W	-	-	4*1600W

Note:

- 1) All specifications are typical values.
- 2) The amplifier will be fully operational at 2 ohm loads, but due to physical constraints in the construction, this mode of operation is not recommended.
- 3) The M-500D & M-800D amplifiers have to select bridge mode for 70/100V operation.

Specifications

THD	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)			
Signal-to-Noise Ratio	> 120 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)			
Frequency Response	20 Hz - 20 kHz ± 0.25 dB / 20 Hz - 20 kHz ± 0.15 dB (8 Ω load, 1 dB below rated power)			
Output Circuitry	Class D - full bandwidth PWM modulator with ultra low distortion			
Input impedance	15 kΩ balanced			
Damping Factor	> 2000 (8 Ω load, 1 kHz and below)			
Gain and Level				
Amplifier gain selectable (Sensitivity)	0.7 / 1.0 / 1.44 Volt			
Level adjustment (per ch)	Front-panel potentiometer			
Digital Signal Processor				
In / Out	4 In / 4 Out			
DSP	32 bit / 96kHz DSP			
Control	USB			
Preset	20			
Input A,B,C,D				
Equalizer	10 Band, PEQ / LS6 / LS12 / HS6 / HS 12/ APF			
Volume	-60dB to 5dB			
Delay	0 to 4.99ms			
Output 1,2,3,4				
Equalizer	10 Band, PEQ / LS6 / LS12 / HS6 / HS 12/ APF / APF-1			
Delay	0 to 9.99ms			
Limiter	-19dB to 0dB			
Crossover	HPF / LPF			
Input Link	A, B, C, D			
Output Link	1, 2, 3, 4			
Connectors and Switches				
Input connectors (per ch)	3-pin XLR, electronically balanced			
Output connectors (per ch)	3-pin XLR, electronically balanced			
Amplifier Output	4 Pin Speakon 1: +1-1 CH-1, +2-2 CH-2 & 4 Pin Speakon 2: +1-1 CH-3, +2-2 CH-4			
Mode	M-500D, M-800D Stereo / Parallel / Bridge			
	M-1250D, M-2500D Stereo / Parallel			
Power on/off	on front-panel switch			
Cooling	Fans, front-to-rear airflow			
Front-panel indicators				
Per channel	0dB / Signal / Limit / Protect			
Parallel	1 & 2, 3 & 4 Channels			
Safety				
Protection Circuits	Input limiter, short circuit protection, DC protection of output, under & over voltage protection, SOA protection, intelligent mains fuse protection, power stage overload protection, temperature protection for transformer			
Power				
Type	Universal & regulated switch mode power supply with Power Factor Correction			
Operating voltage	Universal Mains, 90-270V AC			
Mains	Power Cord			
Model	M-500D	M-800D	M-1250D	M-2500D
Amplifier Dimension	482 mm x 374 mm x 88 mm (W x D x H)		482 mm x 487 mm x 88 mm (W x D x H)	
Packing Dimension	585 mm x 471 mm x 195 mm (W x D x H)		585 mm x 535 mm x 195 mm (W x D x H)	
Size	2U			
Net Weight	9.30 kg	9.60 kg	13.80 kg	14.30 kg
Gross Weight	10.80 kg	11.10 kg	15.70 kg	16.20 kg