

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 MG Series is using SMPS technology, the resulting high power, lightweight units designed for install and professional touring sound applications.

The POPE Professional® MG Series is a range of 2 channels, high output power amplifiers. The MG 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 MG 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
- Two-channel flexibility
- XLR input and output connectors
- Self protection design
- Efficient cooling system
- Comprehensive protection

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
MG-800	2	800W	400W	2500W	1600W	1600W
MG-1250	2	1250W	1250W	-	-	2*800W
MG-2500	2	2500W	1600W	-	-	2*1600W

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		
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-2		
Mode	MG-800 Stereo / Parallel / Bridge		
	MG-1250, MG-2500 Stereo / Parallel		
Power on/off	on front-panel switch		
Cooling	Fans, front-to-rear airflow		
Front-panel indicators			
Per channel	Power / Output signal / Limit / Protect		
Parallel	1 & 2		
Safety			
	Input limiter, short circuit protection, DC protection of output, under & over voltage protection,		
Protection Circuits	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	MG-800	MG-1250	MG-2500
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	9.5 kg	12.5 kg	14.30 kg
Gross Weight	11.10 kg	14.2 kg	16.20 kg

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 MG-800 amplifiers have to select bridge mode for 70/100V operation.

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 MG-D Series is using SMPS technology with built in 2 in 2 out DSP, the resulting high power, lightweight units designed for install and professional touring sound applications.

The POPE Professional® MG-D Series is a range of 2 channels, high output power amplifiers. The MG-D 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 MG-D 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
- Two-channel flexibility
- XLR input and output connectors
- Self protection design
- Efficient cooling system
- Comprehensive protection
- 2 in 2 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
MG-800D	2	800W	400W	2500W	1600W	1600W
MG-1250D	2	1250W	1250W	-	-	2*800W
MG-2500D	2	2500W	1600W	-	-	2*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) MG-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	2 In / 2 Out		
DSP	32 bit / 96kHz DSP		
Control	USB		
Preset	20		
Input A,B			
Equalizer	10 Band, PEQ / LS6 / LS12 / HS6 / HS 12/ APF		
Volume	-60dB to 5dB		
Delay	0 to 4.99ms		
Output 1,2			
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		
Output Link	1, 2		
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-2		
Mode	MG-800D Stereo / Parallel / Bridge		
	MG-1250D, MG-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		
Bridge	1 & 2 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	MG-800D	MG-1250D	MG-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	9.60 kg	13.80 kg	14.30 kg
Gross Weight	11.10 kg	15.70 kg	16.20 kg