

EUROPOWER EP1500/EP2500



Specifications

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ENGLISH



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EUROPOWER

High-end power amp with optional bridge mono operation mode for live applications



- ▲ 2 x 700 Watts (EP2500: 2 x 1200 Watts) in 2-Ohm/1400 Watts (EP2500: 2400 Watts) in 4-Ohm bridged operation
- ▲ 2-channel, parallel or bridged mono operating modes for flexible application
- ▲ Independent limiters for each channel offer dependable protection against distortion
- ▲ Precise signal and clip LED indicators to monitor performance
- ▲ Selectable low-frequency filters (30 Hz or 50 Hz) remove distracting infra-sound frequencies
- ▲ Professional Speakon® and “touch-proof” binding post loudspeaker outputs enable secure operation
- ▲ Balanced XLR and 1/4" TRS inputs
- ▲ Connection option for extra amps in parallel operation
- ▲ Ultra-reliable Toshiba®/Fairchild® high-power transistors
- ▲ High-quality components and exceptionally rugged construction for long life and durability
- ▲ High-current Toroid® toroidal transformer for absolute reliability and lowest noise emission
- ▲ “Back-to-front” ventilation system including air filter with automatically adjusting fan speed for smooth operation
- ▲ Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers
- ▲ Manufactured under ISO9000 certified management system

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SPECIFICATIONS

	EP1500	EP2500
OUTPUT POWER		
20 Hz - 20 kHz @ 0.1% THD, both channels driven:		
8 Ω per channel	260 W	450 W
4 Ω per channel	400 W	650 W
1 kHz @ 0.1% THD, both channels driven:		
8 Ω per channel	280 W	500 W
4 Ω per channel	450 W	750 W
1 kHz @ 0.1% THD, both channels driven:		
2 Ω per channel	700 W	1200 W
Bridged Mono:		
8 Ω , 20 Hz - 20 kHz, 0.1% THD	800 W	1300 W
8 Ω , 1 kHz, 0.1% THD	900 W	1500 W
4 Ω , 1 kHz, 1% THD	1400 W	2400 W
DISTORTION	< 0.01%	< 0.02%
FREQUENCY RESPONSE	20 Hz - 20 kHz, +0/-1 dB	
(at 10 dB below rated output power)	5 Hz - 50 kHz (at -3 dB points)	
DAMPING FACTOR	> 300 @ 8 Ω	
NOISE (unweighted, 20 Hz to 20 kHz)	-100 dB	
VOLTAGE GAIN	40 x (32 dB)	50 x (34 dB)
INPUT SENSITIVITY, V RMS (@ 8 Ω)	1.15 V (+3.4 dBu)	1.23 V (+4.0 dBu)
INPUT IMPEDANCE	10 k Ω (unbalanced), 20 k Ω (balanced)	
CONTROLS		
Front:	Power switch, gain control (channels 1 and 2)	
Rear:	DIP switches (10 x)	
INDICATORS	POWER: green LED	
	CLIP: red LED, 1 per channel	
	SIGNAL: yellow LED, 1 per channel	
CONNECTORS		
Inputs:	Balanced XLR and 1/4" TRS connectors	
Outputs	"Touch-Proof" binding posts and Neutrik Speakon [®]	
COOLING	Continuously variable speed fan, back-to-front air flow	
AMPLIFIER PROTECTION	Full short circuit, open circuit, thermal and HF protection	
	Stable into reactive or mismatched loads	
LOAD PROTECTION	Turn-on/off muting, AC coupling	
OUTPUT CIRCUIT TYPE	Class AB complementary linear output	Class H complementary linear output
POWER SUPPLY		
Mains voltage	USA/Canada 120 V~, 60 Hz Europe/U.K./Australien 230 V~, 50 Hz Japan 100 V~, 50 - 60 Hz General export model 120/230 V~, 50 - 60 Hz	
Breaker	8 A 200 - 230 V 15 A 100 - 120 V	
Mains connector	Standard IEC receptacle	
Power consumption	3.5 A (230 V~, 50 Hz)	5 A (230 V~, 50 Hz)
	6.7 A (120 V~, 60 Hz)	9.6 A (120 V~, 60 Hz)
DIMENSIONS/WEIGHT		
Dimensions (H x W x D)	approx. 3 1/2" (88 mm) x 19" (482.6 mm) x 15 4/5" (402 mm)	
Weight	approx. 18.2 kg (40.13 lbs)	approx. 20.2 kg (44.54 lbs)

BEHRINGER makes every effort to ensure the highest standard of quality. Necessary modifications are carried out without notice. Thus, the specifications and design of the device may differ from the information given in this manual.

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