

EUROPOWER

EP2500



Technical Specifications

Version 1.0 February 2003

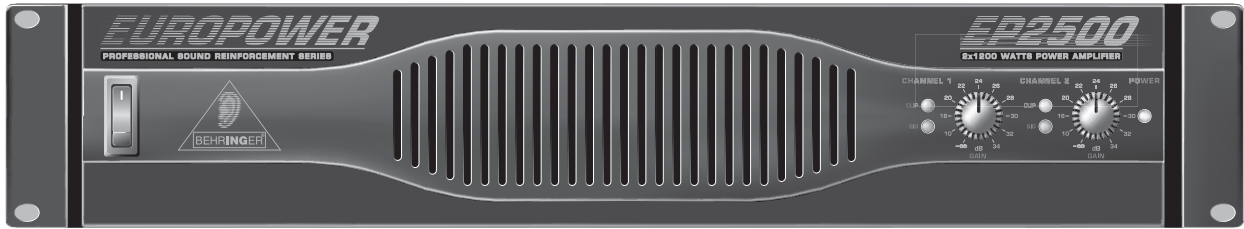
ENGLISH

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EUROPOWER

2 x 1200 Watts Power Amplifier



- ▲ 2 x 1200 Watts into 2 Ohms, 2400 Watts into 4 Ohms 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

SPECIFICATIONS

OUTPUT POWER

20 Hz - 20 kHz @ 0.1% THD,
both channels driven

8 Ω per channel 450 W

4 Ω per channel 650 W

1 kHz @ 0.1% THD,
both channels driven

8 Ω per channel 500 W

4 Ω per channel 750 W

2 Ω per channel 1200 W

Bridged Mono

8 Ω , 20 Hz - 20 kHz,
0.1% THD 1300 W

8 Ω , 1 kHz, 0.1% THD 1500 W

4 Ω 1 kHz, 1% THD 2400 W

DISTORTION < 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 50 x (34 dB)

INPUT SENSITIVITY,
V RMS (@ 8 Ω) 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 H complementary linear
output

POWER SUPPLY

Mains voltage

USA/Canada 120 V~, 60 Hz

Europe/U.K./Australia 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 5 A (230 V~, 50 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. 16.6 kg (36.6 lbs)

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