

# VK-500

Balanced  
Power Amplifier

Balanced Audio Technology

▲ *Elegant simplicity*

▲ *Effortless power*

▲ *Dual-mono construction*

▲ *Musical revelation*



Thunder is good,  
thunder is impressive,  
but it is lightning  
that does the work.

—Mark Twain

Balanced Audio Technology

# Balanced Power Amplifier VK-500



## VK-500 Specifications

### Output power:

250 W per channel into 8  $\Omega$   
450 W per channel into 4  $\Omega$   
(both at less than 1% THD)

### Frequency response @ -3 dB:

2 Hz to 300 kHz

### Slew rate:

300 V/ $\mu$ S

### Input impedance:

100 k $\Omega$  each phase

### Input signal for maximum output power:

1.6 V

### Output impedance:

0.4  $\Omega$

### Power supply energy storage:

350 joules standard  
1100 joules with optional BAT-PAK™

### Gain:

30 dB

### Power consumption:

400 VA maximum at idle  
2000 VA maximum at full power

### Dimensions:

19" W x 9.5" H x 23" D  
(48 cm W x 24 cm H x 58 cm D)

### Weight:

105 lb. (48 kg) unpackaged

Measurements reflect typical performance in balanced mode.

The Balanced Audio Technology VK-500 sets a bold new standard for solid-state power amplifiers. The VK-500 combines the benefits of high-power fully balanced operation with a simple, direct signal path to yield a level of musicality traditionally reserved for the world's finest tube amplifiers. Yet it offers a dynamic ease that few designs—tube or solid-state—can match.

### ▲ *Elegant simplicity*

The solid-state virtues of extended frequency response and the power to drive inefficient speakers are often purchased at the price of a clinical or fatiguing presentation of the music. The problem lies more in the complexity of most solid-state circuits than in the devices themselves. A typical solid-state amplifier will have four or five gain stages, with a feedback loop traversing these same stages to correct the signal. The VK-500 uses only two gain stages—without global feedback. Unusually direct for any amplifier, this purist signal path is even more surprising in a design of such high power. The ingenuity of the signal path is complemented by a unique single-ended bridge topology that allows the use of superior N-channel MOSFETs in both driver and output stages. The result is a clear, open sound that breathes life into music.

### ▲ *Effortless power*

The VK-500 delivers 250 watts per channel of effortless power. It can also be ordered with an optional BAT-PAK™ joule multiplier. The BAT-PAK™ provides an internally installed capacitor bank that triples the energy storage of the VK-500. In addition, the VK-500 can be converted at the factory to Balanced Audio Technology's VK-1000 monoblock, providing an upgrade path to even greater power.

### ▲ *Dual-mono construction*

The VK-500 is constructed as two individual amplifiers on one frame to capture many of the benefits of monoblock construction while maintaining the convenience of a single chassis. This dual-mono construction extends to separate power cords, power switches, transformers, and circuit modules. The VK-500 could be cut down the middle with an acetylene torch and both halves would still play.

### ▲ *Musical revelation*

The performance of Balanced Audio Technology's VK-500 transcends the limitations of traditional solid-state designs. It couples effortless power with a supremely natural portrayal of musical color and texture. We invite you to visit your BAT audio specialist to experience this revelation for yourself.

  
Balanced Audio Technology

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