



The Minima One amplifier is both a hi fidelity and a high efficiency amplifier. The Minima One is more than 80% efficient providing more power to the loudspeaker and creating less heat in the amplifier. Incorporating patented technology, the comparison circuit of the Minima One corrects each individual cycle to drive error to zero at the end of every cycle. On average every 4 microseconds the one cycle modulator transforms and amplifies the input signal into the ideal natural pulse width modulation. Switching at 250kHz with the single cycle error correction insures extremely low distortion and high reliability.

The power factor corrected AC power input automatically and continuously adapts to any voltage between 88 and 275 volts. The Minima one is convenient to power and stable to use on any power grid in the world.

The Minima One is available in most Bag End loudspeaker models providing an on board powered system option. Each powered loudspeaker system is individually adjusted for the correct maximum power and protection settings insuring a reliable high performance powered loudspeaker solution.

## Features:

- Universal Input Voltage with Automatic Selection
- Power Factor Correction
- Output Short Circuit Protection
- Thermal Protection
- 1000 Watts
- Full Bandwidth
- Very Low Distortion
- Power On Built In Test
- InGenius® balanced line receiver
- Limit and Fault LED Indicator

## SPECIFICATIONS

### Rated Power:

1000 Watts @ 4 Ohm load  
500 Watts @ 8 Ohm load

### Frequency Response:

20-20kHz +/- 0.5 dB

### Half Power Bandwidth:

50kHz

### THD + Noise:

.2% Worst case, 30kHz  
Measurement BW  
.01% 1 kHz 100W, 30kHz  
Measurement BW

### Output Current Limit:

>52 Amp protection circuit  
threshold

### Switching Frequency:

250 kHz Amplifier  
140 kHz Power Supply

### Output Current Limit:

>10 Amp  
Protection circuit threshold

### Output DC Offset Voltage:

+/-50 mV

### Power Supply Ripple

**Rejection:** >65 dB Large and  
small signal ripple

### Damping Ratio:

450- 100Hz, 8 Ohm load

### Dynamic Range:

110 dB

### Input:

InGenius® balanced  
line receiver  
Input Impedance: 48k Ohm

### Hi Pass Filter Frequency Switchable:

-6 dB @ 8 Hz  
-6 dB @ 50 Hz  
-6 dB @ 95 Hz

### Hi Pass Filter Slope:

12 dB/octave

### Optically Isolated

#### Remote Sleep

Apply 5 to 24 Volts DC to  
mute terminals

### Green LED:

On

### Yellow LED:

System limit

### Red LED:

System fault / sleep mode

### AC Input Voltage:

88 Volts Minimum  
275 Volts Maximum

### Power Factor: .95

### Weight: 6 lbs.

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