

## VTA 1000 Power Amplifier. 1000 watts continuous (1350 VA @ .7 PF)



### INPUT

Voltage: 115 VAC +/- 10% @ 47 - 63 Hz  
Current: 20 Amps max at full resistive load.  
Signal sensitivity: 5.0 V RMS for full output @ 60 Hz via (J1) rear mounted BNC  
Impedance: 10 K ohms

### OUTPUT

Voltage: Range -1: 0 - 150 VAC  
Range -2: 0 - 300 VAC  
Range -3: 0 - 600 VAC  
Range change via rear mounted 9 pin D. 10-24 VDC @ 10 mAmp max.  
Frequency: 45 – 1500 Hz. 45 - 500 Hz @ +/- .25 dB and -3 dB @ 1500 Hz.  
Measured with 10 ohm resistive load @ 100 V RMS.  
Current: Range -1: 9 Amps from 0 – 150 V  
Range -2: 4.5 Amps from 0-300 V  
Range -3: 2.25 Amps from 0 – 600 V  
Sense via (J2) rear mounted BNC. 0.1 volts per Amp.  
Current Crest Factor: 3 : 1  
Power Factor: 100% of rated output into any power factor load.  
Distortion: 1% THD typical. 3% THD maximum to 1000 Hz.  
Measured at full resistive load, 115 V, 60 Hz.  
Efficiency: 80 - 85% Typical

### PROTECTIVE CIRCUITS

Input: Circuit Breaker  
Short Circuit Protection: Short circuit overload electronically latches output to protect load.  
Power restored by cycling input power.  
Thermal Protection: Internal temperature sensor prevents heat damage.

### FRONT PANEL CONTROLS & INDICATORS

Power On/Off circuit breaker 0 – 150 V LED  
Power On indicator 0 – 300 V LED  
Fault LED 0 – 600 V LED

### MECHANICAL SPECIFICATIONS

High strength bench top chassis  
Dimensions: 3.5"H x 17"W x 22"D  
Weight: 40 lbs.  
Operating Temperature: 0 to 55 Degrees "C"  
Power Input Connections: IEC 320 C – 20 receptacle with 6 foot line cord with NEMA 5 - 15 plug.  
Signal Input (J1) & Sense (J2): (2) BNC's  
Output connections: Rear mounted three terminal barrier strip.  
Range Select: 9 pin D connector.  
Air flow from internal fans: Air in: sides. Air out: rear.

**OPTION:** RM: Rack Mount Kit