

# Class-D Amplifier

## TSG-D500

### Class-D Power Amplifier

**2U Rack mountable | Class-D amplifier with > 90% Efficiency | Excellent frequency response**

The TSG-D500 amplifier is a 2U, Class D amplifier unit with high efficiency. This model is a cost-efficient solution where high-power booster amplifiers are required. The amplifier with a >90% efficiency ensures optimum usage of power and requires only minimum rack space. The TSG amplifiers are designed to provide high outputs for PAVA applications.

The phoenix connectors enable quick and easy installation ensuring significant cost savings for the system integrator. The 100V input option makes it easy to boost an existing signal and hence add more power to an existing PA zone!



### Technical Specifications

MODEL	TSG-D500
<b>Electrical</b>	
Rated Power	500W
Amplifier output	100 Volt   8 Ohm Low Z   20 Ohms
Audio Input	Balanced Line-in
Audio Output socket	Phoenix Connector
Amplifier Technology	Class D with >90% efficiency
Effective frequency range, Hz	50 – 20,000
Signal to Noise Ratio	>100 dB, A weighted
Total Harmonic Distortion	< 0.5 % (at 1/3 rated power, 1kHz)
Operating temperature	-10°C to +55°C
Controls	Volume control & Power Switch
AC Power supply	190 ~ 260 Volts AC   50 Hz
<b>Mechanical</b>	
Amplifier size	2 U
Net weight	7.5 Kg
Cross weight	10 Kg

For more information, contact [techsupport@tsgaudioinnovation.com](mailto:techsupport@tsgaudioinnovation.com)