itc · TC SERIES AMPLIFIERS

TC-2500

Professional Amplifier

The itc TC-2500 is a professional Amplifier from itc's TC Series Amplifiers range, built for powering loudspeaker systems in halls, auditoriums, places of worship, banquet venues and live events.

Key figures: output power Stereo 8Ω: 2*500W; 4Ω: 2*800W; 2Ω: 2*1300W; Bridge 16Ω: 1000W; 8Ω: 1600W; 4Ω: 2600W;; frequency response 20-20KHz/±1dB; thd+n ≤0.01%. Highlights include MONO/STEREO/BRIDGE mode for selection and temperature-controlled fan.



Key features

- More than 95% ultra-high efficiency and excellent stability — Variable oscillation modulation technology Multiple feedback regulation technology Innovative output power control technology
- With signal, power, temperature voltage limit function
- MONO/STEREO/BRIDGE mode for selection
- Temperature-controlled fan — Work immediately when booting Accelerate as the temperature rises Full speed at about 60℃
- Super load capacity of 8 ohms, 4 ohms, and 2 ohms

Technical specifications

Output power (1KHz/THD≤1%)	Stereo 8Ω: 2*500W; 4Ω: 2*800W; 2Ω: 2*1300W; Bridge 16Ω: 1000W; 8Ω: 1600W; 4Ω: 2600W;
Connector	XLR interface
Voltage gain (@1KHz)	36dB
Input sensitivity	2.2dBU(1V), 8.2dBU(2V)
Input impedance	10KΩ unbalanced, 20KΩ balanced
Frequency response (@1W power)	20-20KHz/±1dB
THD+N (@1/8 power)	≤0.01%
SNR (A-weighted)	≥102dB
Damping coefficient (@1KHz)	≥200@ 8 ohms
Separation (@1KHz)	≥85dB
Protection method	Over-voltage protection, under-voltage protection, over-current protection, DC protection, short circuit protection
Indicator light	Power, Protection, Signal, Distortion
Cooling method	Fan cooling
Power supply	~ 220 50Hz
Overall power consumption	450W
Dimension (L×W×H)	484×353×44mm
Weight	6.2kg