itc · TC SERIES AMPLIFIERS

TC-2500B

Professional Amplifier

The itc TC-2500B 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: 500W×2 Stereo@4Ω: 850W×2 Bridged @8Ω: 1700W; frequency response 20Hz-20KHz/±1dB @8Ω; thd+n ≤0.01%. Highlights include latest class-D amplifier design, switched power supply with high efficiency, intelligent peak clipper and soft starter.



Key features

- Latest class-D amplifier design — Low distortion and high efficiency
- Switched power supply with high efficiency — Effectively suppress power harmonics Meet the EU green power supply standard
- Intelligent peak clipper — Control the power module and speakers to work in a safe range
- Soft starter — Prevent absorbing large currents when starting up and interfering with other devices
- Intelligent forced heat dissipation — Low fan noise and high dissipation efficiency

Technical specifications

Output power	Stereo@8Ω: 500W×2 Stereo@4Ω: 850W×2 Bridged @8Ω: 1700W
Input sensitivity	2.2dBu(1V)/8.2dBu(2V)
Input impedance	10KΩ
Frequency response (@1W Power)	20Hz-20KHz/±1dB @8Ω
THD+N (@1/8 power)	≤0.01%
Isolation (@1KHz)	≥80dB
Damping coefficient(@1KHz)	≥200@ 8 ohms
SNR (A-weighted)	≥100dB
Input voltage	~220V/50Hz
Overall power consumption	300W
Dimension (L*W*H)	484*255*44
Weight	4.6kg