itc · TC SERIES AMPLIFIERS

TC-23000

Professional Amplifier

The itc TC-23000 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: input sensitivity 44dB, 41dB, 38dB, 35dB, optional; frequency response 20Hz-20KHz/±1dB; thd+n ≤0.01%. Highlights include multi-track audio loop technology.



Key features

- Dual-channel high-power professional digital power amplifier
- Excellent technologies ensure high working stability — Adaptive variable modulation frequency Automatic stabilization technology
- Multi-track audio loop technology — Reduce audio distortion Provide ultra-high dynamic range frequency response
- Audio output adaptive load power control technology — Enhances the ability to adapt to various complex load environments
- More than 95% ultra-high efficiency — Adaptive dynamic power efficient conversion of power supply Multi-channel status detection automatic power adjustment

Technical specifications

Output power (1KHz/THD≤1%)	Stereo 8Ω: 2*3000W; Stereo 4Ω: 2*5100W; Stereo 2Ω: 2*7140W; Bridged 16Ω: 1*5800W; Bridged 8Ω: 1*10200W; Bridged 4Ω: 1*14280W;
Connector	XLR interface
Input sensitivity (rated output power, @	44dB, 41dB, 38dB, 35dB, optional
Input impedance	10KΩ unbalanced, 20KΩ balanced
Frequency response (@1W power)	20Hz-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	2600W
Dimension (L×W×H)	484x440x44mm
Weight	11kg