



Description

It is a new generation of high-power professional digital amplifier, which is characterized by high efficiency, stability and excellent sound quality. It has broken through the traditional technology in power technology, modulation technology and control technology, so as to substantially improve the overall performance. The application of variable oscillator modulation technology, multiple feedback control technology and innovative output power control technology endow the amplifier with over 95% ultra-high efficiency and excellent stability. And it is specially applicable to large-scale sound reinforcement venues, tour performance multipurpose halls, etc.

Feature

- * Two-channel 2×3000W professional digital power amplifier.
- * Support DC, short circuit, overload and overheat protection;
- * Support signal, power, temperature and other voltage limiting functions;
- * Support XLR balanced input; SPEAKON audio socket output;
- * Support optional three modes: MONO/STEREO/BRIDGE;
- * Input sensitivity (rated output power @1KHz) optional: 44dB, 41dB, 38dB, 35dB.
- * With a temperature-controlled fan, it rotates as soon as it is turned on; the fan accelerates as the temperature rises, and reaches full speed at about 60°C;
- * Designed with Signal (green), CLIP (orange), Fault (red), Power (blue) indicators on the panel;
- * Super load capacity: support 8 ohms, 4 ohms, and minimum 2 ohms.

Specification

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, @1KHz)	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



Professional Amplifier

TC-23000

Power supply	~ 220 50Hz
Overall power consumption	2600W
Dimension (L×W×H)	484×440×44mm
Weight	11kg
* Output power: according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave measured under 1% total harmonic distortion.	

Overall power consumption: according to GB4943.1-2022 test method: measured under 1kHz sine wave rated load 1/8 power conditions.