



TPA NEW SWITCHING POWER AMPLIFIER RAT SERIES



Features

- Upgrade tier Class H, matching with the new generation mid-end SMPS product, the effect is >76%.
- Divided into four models with power ranging 650W/1200W/1500W at 8ohm loading, which satisfies the requirements of application projects.
- Extremely high power density: amplifier with height-2U/depth-17" of 16kg can provide 7600W continuous output power.
- Stably drive speakers with 8ohm, 4ohm and 2ohm loading, meeting requirements from line array to normal array application projects.
- Very low harmonic distortion (THD = 0.1%) and the ideal frequency response performance (20 ~ 20kHz).
- Use audio-specific components and connectors, ensuring higher reliability.
- Removable front panel, easy to clean and maintain.
- Adopt SMT, AI, ICT full-automatic production and testing technology to ensure the standardization of production and product consistency.
- Have perfect and intelligent protection such as overpressure, over-current, short circuit, over-temperature, DC, VHF, clip limiter, so as to prevent damage caused by man-made and environmental factors.

Applications

- Large-scale live performance and fixed installation projects.
- Conference centers, high-end hotel, Disco and HI room etc.



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Technical specifications

Model	RAT22	RAT41	RAT48
Power			
8Ω stereo*	650W	1200W	1500W
4Ω stereo*	1050W	2000W	2500W
2Ω stereo**	1350W	3000W	3700W
8Ω bridge*	2200W	4100W	4800W
4Ω bridge**	2900W	6200W	7600W
Other Specification			
Frequency response	20 Hz-20 kHz		
THD+N	<0.1%		
S/N rate	>80dB		
Damping factor	>200		
Crosstalk	>70dB		
Slew rate	>20V/μs		
Input sensitivity	26d B/32 dB/38 dB		
Input impedance (bal/unbal)	10kΩ /20kΩ		
Voltage gain (8Ω)	38dB		
Output circuitry	2-tier Class H	3-tier Class H	
Cooling	Air flow from front to rear		
Protection	Soft start,DC,short circuit,over load,clip limit,over heat,progressive volume		
Connector			
Input	XLR-F,XLR-M		
Output	Binding posts & NL 4 SPEAKON		
Function			
Front panel indictor	STY,power,signal,clip,protection,parallel,bridge		
Front panel	Power switch,volume control knob		
Rear panel	Stereo/parallel/bridge switch,input sensitivity switch,soft clipping switch		
Dimension/Weight			
Product dimension (W x D x H) (mm)	483 x 450 x 89 mm	483 x 505 x 89 mm	483 x 505 x 89 mm
Packing dimension	595 x 565 x 170 mm	620 x 585 x 170 mm	620 x 585 x 170 mm
N.W.	10.1kg	15.0kg	16.1kg
G.W.	12.4kg	16.4kg	18.6kg
Power	Non-removable power cord AC220V/50Hz,±10%		

Remark:

1. * The power is tested under EIA standard.
- 2.** The power is tested under the condition of 40 ms burst, 1KHz sine wave and 1% THD.
3. Other data is tested under Q/TPA 1-2005 standard.
4. TPA reserves the right to make changes in specification without prior notice.The final specification is subject to the user manual.