

DS-QAPAR50-4 Professional Amplifier 500W 4-Zone



- DS series is Class D digital power amplifier, power efficiency up to 90%, power range covers 250W-1500W / 8Ω, support load impedance 8Ω-2Ω, support stereo, and bridge mode, each channel independent control, support wide gain choice 26-41dB.
- 1U size, compact, lightweight, stable structure, modular design, easy maintenance.
- DS series is designed with PFC full bridge ultra-wideband switching power supply to meet the 90V-260VAC range of power, power conversion efficiency more than 90%, power output 10000W above, high reliability and cost-effective advantages, providing battery-level clean power for DS series.
- Using many models of high-precision components, compact layout design, the product has a small size, light weight, to achieve a four-channel 2000W digital amplifier 1U design breakthrough, suitable for multi-scene use of mobile installation is particularly convenient and easy.
- DS series uses a very high frequency carrier switching circuit to amplify the audio signal, with high efficiency, low distortion, low noise, large dynamic range and other advantages, in the transparency of sound quality, cold and warm degree, analytical power, quiet background, low frequency shock intensity is unmatched by traditional power amplifier
- Suitable for stage, performance, bar, disco, ballroom, KTV (large), stadium tube and other high-quality high pressure level place sound reinforcement, large power reserve, frequency response as low as 30Hz, especially suitable for driving high-power loudspeakers.
- Adopting a non-polar variable speed circuit with low noise high speed fan, there is no fan noise at low temperature. Effectively reduce the noise of the on-site machine room.
- High torque spring steel constant pressure design, power tube bonding and fastening thermal resistance is very low, high temperature, high humidity, high cold and harsh environment test pressure reed constant lasting effective, greatly improve the thermal conductivity of power tube.
- Golden Shield protection circuit design, over temperature protection, DC protection, short circuit protection, signal overload protection, equipment soft start protection, power supply over current protection, temperature and pressure limit protection, complete protection functions effectively improve the reliability of products.
- Fine sound tuning, using unique magnetic shielding technology, and high quality capacitor tuning. The product has a delicate sound level, the bass submersion and strength have momentum and energy, the middle and high frequency clean and pure thick, the high frequency extension is good, the detailed smooth, the overall sound field positioning is accurate, and the analytical power is high.
- The equipment has less heat, the operating temperature of the components is low, and the life and reliability will be significantly improved.
- The volume and weight are only 1/3 of the analog power amplifier, and the substantial reduction of the volume and weight can save your transportation, handling and installation costs, and reduce the difficulty of moving and installing.

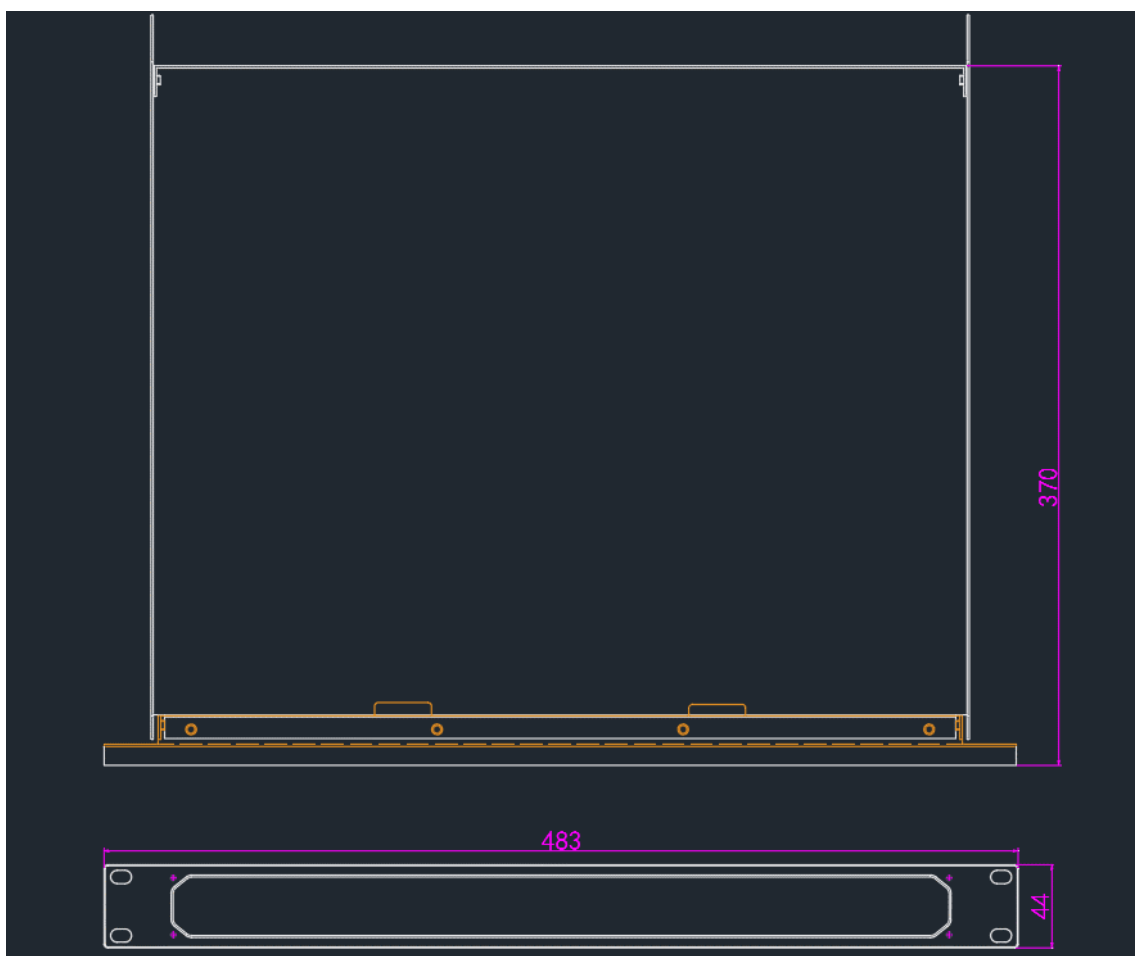
▪ Specification

Basic Parameter	
Frequency Response	Typical values +0dB, -0.5dB (10% rated output power, 8Ω, 20Hz-20kHz)
Function	
Switch	Bridge mode, Connect mode, Stereo mode, gain selection, limiter switch
Audio	
Rated Power	8Ω/Stereo: 4×500W 4Ω/Stereo: 4×765W 2Ω/Stereo: 4×1301W 16Ω/Bridge: 2×900W 8Ω/Bridge: 2×1530W 4Ω/Bridge: 2×2601W
THD and SNR	Typical value: 0.01% (10% rated output power, 1 kHz, 8Ω)
Input Impedance (Balanced)	20kΩ (balanced), 10kΩ (non-balanced)
Maximum Input Level	14V
SNR (A-Weighted)	≥105dB(A-Weighted , 20Hz-20kHz , 8Ω)
Interface	
Audio	XLR four inputs, SPEAKON four outputs
General	
Power	90~ 260VAC , 50/60Hz
Dimension	483x44x370mm (19x1.73x14.56inch)
Weight	Approx. 9 kg (19.84 lb.)

▪ Available Model

DS-QAPAR50-4

▪ Dimension



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