

VOSS AUDIO TWO-CHANNEL AMPLIFIERS PFC-206



(1) Product Introduction:

The PFC amplifier adopts the latest Class D amplifier technology and features an Infineon active Power Factor Correction (PFC) chip combined with PWM soft-switching technology. Optimized for audio power amplification, it provides continuous and powerful performance with comprehensive protection functions. This series of amplifiers boasts outstanding technical specifications and high stability, offering advantages such as lightweight design, high efficiency, energy savings, low heat generation, high reliability, sufficient power output, excellent sound quality, and strong driving capability. It is ideal for various entertainment and performance venues.

(2) Product Features:

1. High efficiency, energy-saving, and reduced operating costs.
2. Compact, lightweight, and sturdy construction.
3. Compliant with safety regulations and electromagnetic compatibility standards.
4. Wide power voltage adaptability (100–240VAC).
5. Utilizes high-quality components from leading international manufacturers.
6. Temperature-controlled fan for quiet operation.
7. Modular design for easy maintenance.
8. 2-channel design, particularly suitable for touring performances.
9. Undergoes rigorous reliability, environmental adaptability, and user experience testing for a smooth and enjoyable operation.

(3) Product Functions:

1. Three operating modes: Stereo, Parallel, and Bridge.
2. Four selectable gain levels.
3. Output limiter and compression switch.
4. Balanced XLR input.
5. Over-temperature protection.
6. Overcurrent and short-circuit protection.
7. DC protection for amplifier output.
8. Undervoltage protection.
9. Limiter and fault indicators.

Technical Specifications:

1. **Rated Power:**
 - **8Ω Stereo:** $2 \times 600\text{W}$
 - **4Ω Stereo:** $2 \times 1080\text{W}$
 - **16Ω Bridged:** $1 \times 1200\text{W}$
 - **8Ω Bridged:** $1 \times 2160\text{W}$
2. **RMS Output Voltage (THD = 1%, 1kHz):** 69.3V
3. **Input Sensitivity (Rated Output Power, 1kHz):** Selectable: 0.775V, 1.0V, 1.4V, 32dB
4. **THD+N:** Typical: 0.01% (10% Rated Output Power, 1kHz, 8Ω)
5. **Crosstalk Rejection:** $\geq 90\text{dB}$ (Below Rated Power, 20Hz–1kHz, 8Ω)
6. **Frequency Response:** Typical: +0dB, -0.5dB (10% Rated Output Power, 20Hz–20kHz, 8Ω)
7. **Input Impedance:** 20kΩ (Balanced), 10kΩ (Unbalanced)
8. **Damping Factor:** Typical: 5000 (20Hz–200Hz, 8Ω)
9. **Signal-to-Noise Ratio:** $\geq 105\text{dB}$ (A-weighted, 20Hz–20kHz, 8Ω)
10. **Power Supply:** 100–240VAC, 50/60Hz
11. **Protection Features:** Undervoltage protection, DC output protection, over-temperature protection, overload protection, short-circuit protection
12. **Dimensions (W × H × D):** 483 × 45 × 307mm
13. **Net Weight:** 5.8kg