

# VOSS AUDIO TWO-CHANNEL AMPLIFIERS PFC-220



## PRODUCT DESCRIPTION:

The **PFC Ultra-High Power Series Amplifier** adopts the latest **multi-loop feedback Class-D amplifier technology**. The power supply utilizes **STMicroelectronics active power factor correction (PFC) chip** and **PWM soft-switching technology**, optimized for **audio power amplification**. This ensures **continuous, powerful performance** and **comprehensive protection functions**, providing **exceptional technical specifications and high stability**. The series features **lightweight design, high efficiency, energy-saving operation, low heat dissipation, high reliability, ample power output, outstanding sound quality, and strong driving capability**, making it ideal for **various performance and entertainment venues**.

## PRODUCT FEATURES:

1. **High efficiency and energy saving**, reducing operational costs.
2. **Compact, lightweight, and robust structure**.
3. **Compliant with safety regulations and electromagnetic compatibility standards**.
4. **Wide voltage range support (100–240VAC)**.
5. **Utilizes high-end components from top international manufacturers**, ensuring premium quality.
6. **Temperature-controlled fan** for quiet operation.
7. **Modular design**, making maintenance easy.
8. **2-channel design**, ideal for mobile performances.
9. **Rigorously tested for reliability, environmental adaptability, and user experience**, ensuring smooth and enjoyable operation.

## PRODUCT FUNCTIONS:

1. Three operational modes: **Stereo, Parallel, and Bridged**.
2. **Four selectable gain levels**.

3. **Output limiter switch.**
4. **XLR balanced input.**
5. **Temperature power control, over-temperature indication, and over-temperature protection.**
6. **Overload power control**, ensuring uninterrupted sound output.
7. **DC output protection** for amplifiers.
8. **Undervoltage protection** for power supply.
9. **Limiter and fault indicators.**

#### TECHNICAL SPECIFICATIONS:

1. **RATED POWER:**
  - **8Ω STEREO:**  $2 \times 2000\text{W}$
  - **4Ω STEREO:**  $2 \times 2800\text{W}$
  - **16Ω BRIDGED:**  $1 \times 4000\text{W}$
  - **8Ω BRIDGED:**  $1 \times 5600\text{W}$
2. **RMS OUTPUT VOLTAGE (THD = 1%, 1kHz):** 126.5V
3. **INPUT SENSITIVITY (RATED OUTPUT POWER, 1kHz):** SELECTABLE: 41dB, 38dB, 35dB, 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, OVERHEAT PROTECTION, TEMPERATURE POWER CONTROL, OVERLOAD POWER CONTROL
12. **DIMENSIONS (W × H × D):** 483 × 45 × 370mm
13. **NET WEIGHT:** 9kg