



WPER-1450EN

POWER AMPLIFIER
450W-100V

EN
54-16

Technical Specifications

- Max. 450 Watt Output Power
- 70-100V
- Compact Design
- Dimensions: 482x420x44mm(1U)
- Circuit Protect
- Power Supply: 220V



Product Information:

Overview

Engineered to deliver exceptional performance and reliability, our 450 Watt Power Amplifier is designed for critical safety and public address applications. With its EN54-16 certification, this amplifier meets the rigorous standards required for fire alarm and evacuation systems, ensuring dependable operation when it matters most.

Key Features

High-Power Output: Single-channel design offers 450 watts channel, providing clear, powerful sound for large venues or emergency situations.

EN54-16 Certification: Fully compliant with EN54-16 standards, guaranteeing safety and performance in alarm systems.

Robust Construction: Built with high-quality components and durable materials to ensure long-term reliability and minimal maintenance.

Versatile Integration: Easily integrates with existing systems for public address, emergency communication, or background music while maintaining crystal-clear audio output.

Advanced Thermal Management: Designed with efficient cooling technology to optimize performance and extend lifespan, even under continuous operation.

User-Friendly Interface: Intuitive controls and clear feedback mechanisms simplify installation and operation, making it suitable for both professional installers and facility managers.

Certification:



Additional Inputs:



Voltage:



System Specification:

RMS/AES power handling	100 V		450 W
Frequency	Response (± 3 dB)		20 Hz - 20 kHz
Signal / Noise			> 90 dB
THD+N (@ 1 kHz)			< 0.05%
Technology			Class A-B
Inputs	Balanced Mic./Line	Type	2 x Balanced Microphone and Line Input
Power	Supply	Operating	100 ~ 240 V AC / 50 ~ 60 Hz
			1 x 70/100V (Bridged)

Product Features:

Dimensions		482x420x44mm (W x H x D)
Weight		5 kg
Mounting		1U
Construction		Steel

Architects' and Engineers' Specification:

Applications

Fire alarm and evacuation systems

Public address systems in educational institutions, hospitals, and transportation hubs

Emergency communication networks in large-scale venues

Industrial facilities requiring reliable, high-power audio distribution

Technical Specifications

Power Output: 450 Watts

Compliance: EN54-16 certified for fire alarm and emergency systems

Frequency Response: Optimized for speech intelligibility and public address clarity

Connectivity: Multiple input and output options for flexible integration

Operating Temperature: Designed to perform in various environmental conditions

Protection Features: Overload, thermal, and short-circuit protection to safeguard both equipment and users

Conclusion

The 450 Watt EN54-16 Certified Power Amplifier stands as a robust and reliable solution for a wide range of critical audio applications. Whether for emergency communication systems or high-performance public address installations, this amplifier delivers unmatched power, safety, and quality. Experience the perfect balance of technology and trust with a product designed to keep environments safe and connected.



Declaration of Conformity

We: **Owner of the brand Wöller**

Declare that the following product(s):

Brand: WÖLLER
Model: WPER-1450EN Power Amplifier

The object described above is in accordance with the relevant Union harmonization legislation:

- (1) The requirements of the Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- (2) The requirements of the Low Voltage Directive (LVD) 2014/35/EU
- (3) The requirements of the Restrictions of Hazardous Substances Directive (RoHS3) 2015/863
- (4) The requirements of Registration, Evaluation and Authorization of Chemicals (REACH) regulation 1907/2006

in accordance with the standards listed below:

- (1) EN 55032:2015
EN 55035:2017
EN 61000-3-2:2014
EN 61000-3-3:2013
- (2) EN 62368-1:2014+A11:2017
IEC 62368-1:2014(ed.2)

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Yasin Ozdemir, Manager

A handwritten signature in black ink, appearing to read 'Y. Ozdemir', with a horizontal line drawn through it.