

SilentPower Power Station

Active Mains Purification



Overview

SilentPower's Power Station reduces interference in incoming electrical power from the mains. It features our proprietary Active Noise Cancellation II which is effective in reducing noise by up to -40dB. This is coupled to additional passive filtering on each outlet to eradicate noise at the very highest frequencies – typically caused by wireless transmission systems.

Key Features

- **Active Noise Cancellation II:**
Uses Active Noise Cancellation II to actively cancel all incoming noise. It generates a signal identical to that of the incoming electrical noise but in the opposite phase. It cancels out all incoming EMI and RFI noise.
- **Supplementary Earth Terminal:**
Provides a convenient way to ground equipment without an earth connection, eliminating audible hum and buzz caused by potential differences, and retains complete EMI shielding to reduce external high-frequency noise interference.
- **Polarity Earth Diagnostics:**
Uses a smart diagnostics system which helps to avoid potential issues by indicating both correct polarity and whether the system has a ground/earth in place.
- **Surge Protection**
Suppresses excess amperage, up to 30,000 amps at 1,000 volts/10uS, to protect connected components from power spikes, lightning strikes, and electrostatic discharges.

Key benefits and Applications

- **Custom Installations:**
 - Critical for home cinemas, studio monitor arrays, boardrooms, and multiroom AV systems where pure, noise-free power and reliable equipment protection are essential.
 - Facilitates the connection of multiple devices without unwanted hum, buzz, or ground loops, especially in rack setups or installations with complex signal paths.
 - Built-in earth/ground and polarity diagnostics streamline system setup and troubleshooting, making it a staple for installers in both residential and commercial projects.
- **Pro AV Sector:**
 - Ensures performance stability for professional audio, visual, and broadcast equipment by blocking EMI/RFI and maintaining consistent output regardless of device count or configuration.
 - Individual outlet isolation prevents noise cross-contamination, crucial in live production or recording environments.
 - Robust construction and surge protection keep expensive AV investments safe from electrical hazards typical in large venues or touring setups.

Technical Specifications

- **Electrical characteristics**

- Noise reduction: >40dB (>100x)
 - Surge protection: max. 30,000A @ 1,000V/10uS
 - Operating voltage: 90V - 265V
 - Weight: 1.98kg (4.37lbs)
 - Limited warranty: 12 months
- **Physical characteristics**
 - Dimensions: 478(l) x 96(w) x 76(h) mm

Contact Us

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