

AVPS-22012

1U Rackmount Power Sequencer with Digital Voltage Protection & 12VDC Output



Product Overview

AVPS-22012 is a professional-grade 1U Rackmount Power Distribution Unit (PDU) designed for standard 19-inch rack systems.

The unit is engineered to operate reliably in environments that demand high stability and performance. It integrates advanced Digital Voltage Protection technology, which continuously monitors and intelligently regulates incoming power conditions. This ensures effective protection for connected equipment against electrical abnormalities such as surges, spikes, over-voltage, under-voltage, overload conditions, and power fluctuations including voltage flicker and instability. In addition, the system incorporates electrical noise filtering (EMI/RFI suppression) to deliver clean and stable power output.

As a result, it significantly reduces the risk of equipment damage and helps extend the operational lifespan of connected devices.

To enhance flexibility, the AVPS-22012 is equipped with an additional 12VDC output, allowing seamless integration with low-voltage devices such as controllers, media converters, signal processors, and other auxiliary equipment. This makes the unit not only a power distribution device but also a centralized power management solution for modern AV systems.

With its robust construction, precise monitoring capabilities, and intelligent protection system, the AVPS-22012 is an ideal choice for professional users who require stable, safe, and efficient power distribution, whether for permanent installations or mobile applications.

Product Description

- ▶ 1U Rackmount Design for standard 19" cabinets
- ▶ Housing Material: Metal (Industrial Grade)
- ▶ Digital Voltage Protection System (Surge / Spike / Over & Under Voltage Protection)
- ▶ Input Voltage: 220–240VAC, 50/60Hz
- ▶ Output Voltage: 220–240VAC (10 Channels)
- ▶ Built-in 12VDC 2A Auxiliary Output (Front Panel)
- ▶ Real-time LED Display (Voltage / Current / Frequency)
- ▶ High Accuracy Measurement $\leq 0.5\%$ FS
- ▶ Adjustable Protection Thresholds
- ▶ 32A Circuit Breaker (Schneider)
- ▶ Power-on Delay Protection (2 seconds)
- ▶ Dimensions (W x D x H): 435 x 200 x 45 mm
- ▶ IEC 60934 , IEC 62368-1 , IEC 61000-6-1 , IEC 61000-6-3, IEC 61643-11 , UL 94 , CE Marking , FCC Part 15



Digital Voltage Monitoring Display

High-precision LED display for real-time monitoring of voltage (V), current (A), and frequency (Hz), ensuring stable and safe power operation.



DC Power (DC : 12V / 2A)

The device is equipped with a standard DC barrel jack output, providing 12V DC with a maximum current of 2A for powering external devices or auxiliary circuits.