



Features

- Four independent power supply outlets
- DC 48 V battery input
- Plug in/out
- Higher integrity, obviates common mode failure
- No break autonomy, high security system design
- Rapid service/ installation

VA300 PSU+ Audio Amplifier Power Supply

Description

The VA300/PSU+ is an AC to DC converter unit designed specifically for use in critical life safety voice and alarm broadcast systems.

The VA300/PSU+ energises up to four VA300+ audio amplifiers sited in a VA300/CAGE and incorporates no break electronic changeover to an external optional battery sub-system in event of primary AC mains disconnection. The unit consists of four supply converters conveniently fitted in a VA300/PSU+ single housing, each supply is supervised by an integral monitoring sub-system which drives fascia mounted indicators and a volt free power supply status is available to remote possible trouble report.

The unit is housed in a low profile module which connects to the host equipment by plug/socket terminations. VA300/PSU+ is designed for standard 19 inch rack mount execution and high power density enables a 2 unit high 200mm deep footprint.

The unit enables compliance with IMO standard for broadcast equipment (i.e. separate power supplies for each amplifier module) and meets emission and susceptibility standards to IEC60945.

Switch-on surge is managed by staged AC mains connection and full thermal protection is included as well as comprehensive protection for each power supply channel. A timed delay is incorporated to prevent surges due to torroidal transformer residual flux polarity and a 60 ampere rated connector facilitates connection to an external battery pile. This product should be fed from an AC mains supply via a type D breaker. The VA300+ is designed for simple rapid installation and utilises plug/socket connectivity thereby obviating screw/bolt termination. Light weight construction enables safe/convenient transportation and installation into the target equipment.

Technical Data

Power supply input

AC 115 V or AC 230 V $\pm 5\%$

Frequency

50/60Hz $\pm 5\%$

Maximum power demand

1.8kVA

Output

Unregulated 48V AC X four channels

Output capability per channel

1 x VA300 power amplifier module

Dimensions

483 mm wide (19" rack mount)
88 mm high (2 unit)
200 mm deep

Weight

15 kg

Enclosure

Sheet steel zinc

Finish

Zinc and passivated

Fascia

Alloy

Finish

Semi gloss black

Temperature range

-20 °C to +50 °C

Humidity

80 % non condensing