



Product Data Sheet

VRS121000

12Vdc PSU output, 100-253Vac input

Overview

The VRS121000EB & EE power supplies are designed to supply low voltage power for standalone IFS modules. These power supplies accept universal mains input voltages from 100 – 264Vac, and provide a regulated 12Vdc output with a maximum load of 1A.

Model Features

The VRS121000EB is provided with a fixed mains cable and a moulded UK style 3 pin mains plug. The RS121000EB is provided with a fixed mains cable and a moulded EU style 2 pin mains plug.

Installation Advice

This unit is only suitable for installation as permanently connected equipment. The PSU is NOT SUITABLE for direct external installation, unless fitted within an appropriate IP rated enclosure. The PSU should be installed according to all relevant safety regulations applicable to the application.

This unit must be fed from a mains power source having a separate (approved) disconnect device and fitted with a fuse or other over-current protection device rated at 3A maximum. Ensure that the disconnect device used has appropriate earth fault protection to the applicable standard.

Secure PSU case in position using cable ties or other suitable fastening to prevent movement

Standard Features

- Efficient Switch Mode Operation
- Universal Mains Input Voltage 100 – 264Vac
- Fully Regulated 12Vdc output, 1A
- Overload & Short Circuit Protection
- Class II Double Insulated
- CE compliant (EN60950)

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Specifications

Power

Input Power	100 - 264Vac, 50/60Hz, 16W
Output Voltage	12Vdc nominal (11.4 - 12.6Vdc)
Output Current	1A max continuous
Ripple at max current	<120mV pk-pk
Fuse (UK version only)	250V 3A 250mm ceramic
Overload Characteristics	Electronic & Thermal Shutdown (N.B. In the event of an overload shutdown, disconnect from the mains for up to 20 seconds)

Physical

Input Connection	1 metre mains cable fitted with moulded UK or EU plug
Output Connections	Black & White Stripe - positive, Black - negative
Dimensions	65 x 45 x 25 mm
Weight	0.3 kg
Operating Temperature	0oC to +40oC
Storage Temperature	-20 oC to +75oC

Compliance

Low Voltage Compliant
EMC Compliant
WEEE Compliant
RoHS Compliant

Ordering Information

Part No.	Description
VRS121000EB	12Vdc PSU output, 100-253Vac input, UK style 3 pin mains plug
VRS121000EE	12Vdc PSU output, 100-253Vac input, EU style 2 pin mains plug

