

ELMDENE

Protecting People & Property

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12/24Vdc Encapsulated SMPSU - Vision Range

Models

0.5A, 1A, 1.5A, 2A, 3.5A & 5A

- Fully regulated 12Vdc and 24Vdc units
- 500mA, 1A, 1.5A, 2A, 3.5A and 5A outputs available
- Electronic overload and short circuit Protection
- Class II double insulated
- Ideal for CCTV camera installations
- UK and European mains lead versions

FEATURES

A family of Encapsulated high efficiency DC power supplies ideal for CCTV applications. There are six models in the 12Vdc range (between 0.5A and 5.0A) and two models in the 24Vdc range (0.5A and 1.0A). All models are available with a European or UK mains plug and with the option of a 2.1mm or 2.5mm dc output connector.

Model	Output Voltage	Output Current
VRS12500EE / EB	12Vdc	0.5A
VRS121000EE / EB	12Vdc	1.0A
VRS121500EE / EB	12Vdc	1.5A
VRS122000EE / EB	12Vdc	2.0A
VRS123500EE / EB	12Vdc	3.5A
VRS125000EE / EB	12Vdc	5.0A
VRS24500EE / EB	24Vdc	0.5A
VRS241000EE / EB	24Vdc	1.0A

PSU Numbering:

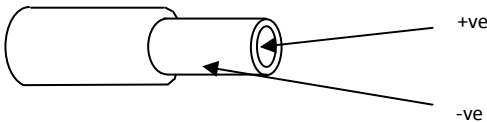
VRS	12	1000	E	B	25
	12 = 12Vdc 24 = 24Vdc	5000 = 5.0A 3500 = 3.5A 1500 = 1.5A 2000 = 2.0A 1000 = 1.0A 500 = 0.5A	Encapsulated	E = Euro 2 pin B = UK 3 Amp	25 = 2.5mm plug Blank = 2.1mm plug S = stripped leads
<i>Vision Range</i>	<i>Voltage</i>	<i>Output Current</i>	<i>PSU Type</i>	<i>Mains Input Style</i>	<i>DC Output Style</i>

OPERATION

This unit is intended for use by Service Personnel only - There are NO USER SERVICEABLE parts inside.

CONNECTIONS**Output Connections:**

- 1) DC Plug: 2.1 or 2.5mm Power Plug – 10.0mm barrel length



- 2) Stripped Leads

Black and White stripe	-	Positive (+ve)
Black	-	Negative (-ve)

MAINTENANCE

There is no regular maintenance required of the PSU other than periodic testing. If the output of the PSU fails the cause of the failure should be investigated e.g. short circuit load. The fault should be rectified before restoring power to the PSU. If a fuse in the UK mains plug needs to be replaced, ensure the correct fuse rating and type is used.

DISPOSAL OF PRODUCT AT END OF LIFE

This product falls within the scope of EU Directives 2002/96/EC Waste Electrical and Electronic Equipment (WEEE). At the end of life, the product must be separated from the domestic waste stream and disposed via an appropriate approved WEEE disposal route in accordance with all national and local regulations.

For more information see: www.recyclethis.info

COMPLIANCE

This product meets the essential requirements of the following EU Directives:

Low Voltage:	2006/95/EC
EMC:	2004/108/EC
RoHS:	2011/65/EU
WEEE:	2002/96/EC



SPECIFICATION

Input Specification

Voltage (rated)	100-240Vac
Voltage (operating)	90-264Vac
Frequency	50-60Hz
Mains Input Fuse	3.0A 250vac HRC (UK version only)
Max Mains Input Current	2.0A max (depending on model & input voltage)

Output Specification

Voltage	11.4–12.6Vdc (12.0Vdc nom) / 22.8-25.2Vdc (24Vdc nom)
Max load current	0.5, 1.0, 1.5, 3.5 or 5.0A continuous
Ripple	120 mV pk-pk max
Load output Fuse	See Model Specification Table below
Overload	Electronic and thermal shutdown

Note: In the event of a shutdown, the PSU may need to be disconnected from the load for at least 20secs, before reconnecting.

Mechanical

Model	External Dimensions - excluding mounting lugs: L x W x H (mm)
VRS12500EE / EB	65 x 45 x 25
VRS121000EE / EB	65 x 45 x 25
VRS121500EE / EB	65 x 45 x 25
VRS122000EE / EB	78 x 52 x 25
VRS123500EE / EB	120 x 50 x 30
VRS125000EE / EB	120 x 50 x 30
VRS24500EE / EB	65 x 45 x 25
VRS241000EE / EB	65 x 45 x 25

Environmental

Temperature	0 to +40°C (operating) -20 to +75°C (storage)
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*The packaging supplied with this product may be recycled.
Please dispose of packaging accordingly.*