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## Vision Range Switch Mode Encapsulated Power Supplies

### Features

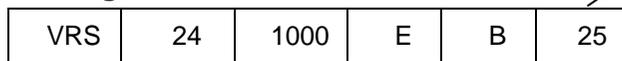
A family of Encapsulated high efficiency DC power supplies

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

Model	Output Voltage	Output Current
VRS12500EE / EB	12v DC	0.5A
VRS121000EE / EB	12v DC	1.0A
VRS121500EE / EB	12v DC	1.5A
VRS123500EE / EB	12vDC	3.5A
VRS24500EE / EB	24v DC	0.5A
VRS241000EE / EB	24v DC	1.0A

DC Output Style  
 25 = 2.5mm plug  
 blank = 2.1mm plug  
 S = stripped leads

### PSU Numbering



24 = 24v DC  
 12 = 12v DC

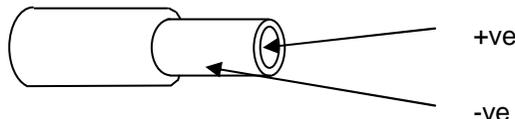
Output Current  
 3500 = 3.5A  
 1500 = 1.5A  
 1000 = 1 Amp  
 500 = 0.5 Amp

Encapsulated

Mains Input Style  
 E = Euro 2 pin  
 B = UK 3 Amp  
 X = detachable lead

### 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)

### Compliance

This power supply unit complies with the following European Directives:

Low Voltage 2006/95/EC EMC 2004/108/EC WEEE 2002/96/EC RoHs 2002/95/EC

### Specifications

#### Input

Voltage 100 – 240Vac  
 (In accordance with Low Voltage 2006/95/EC compliance testing)  
 Frequency 50-60Hz  
 Current 1.2A MAX (depending upon model and input voltage)  
 Fuse (UK version only) 3A 250v HRC Ceramic 25 mm

#### Outputs

Voltage Range (at 230vAC) 11.4-12.6vDC or 22.8-25.2vDC  
 Load Current (max) 0.5, 1.0, 1.5 or 3.5 A, continuous  
 Ripple <120mV Pk – Pk max  
 Overload Electronic and thermal shutdown  
 (Note in the event of a shut down the PSU may need to be disconnected from the load for at least 20 s before reconnecting)

### Environmental

Temperature 0°C to +40°C operation, -20°C to +75°C storage

### Installation

This unit is only suitable for installation as permanently connected equipment. The PSU is **NOT SUITABLE** for external installation. 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. Secure mains input and load output leads to prevent damage due to disturbance or movement.

### Operating Instructions

There are NO USER SERVICEABLE parts inside.

### 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.

### For Internal Use Only

The packaging supplied with this product may be recycled.  
 Please dispose of packaging accordingly.