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12Vdc 2A/4A

**WEATHERPROOF POWER
SUPPLY**

VPSU12xyEXTe

2.0A (1 x 2A)

4.0A (1 x 4A)

4.0A (4 x 1A PTC Fused Outputs)

4.0A (8 x 0.5A PTC Fused Outputs)

Where 'x' is the rated load current and 'y' is the number of fused outputs

Thank you for choosing this high quality 12V dc power supply. Before attempting to connect or operate this product please make sure you carefully read these instructions for your safety.

General:

A range of 12V dc power supplies capable of delivering fully rated current to load, housed within an IP68 enclosure allowing for external use. Provided with 1, 4 or 8 individually fused outputs, they are ideal for low powered CCTV installations.

INSTALLATION AND SET-UP

This unit is only suitable for installation as permanently connected equipment and **MUST** be fed from a mains power source having a separate (approved) disconnect device - fitted with a fuse or other over-current protection device rated at 3A maximum.

The enclosure is rated at IP68; make sure that the appropriate connections made to and from the enclosure are to this level to retain the required IP rating for the product.

Note: The lid of the enclosure is 'keyed' and must be in correct orientation to ensure IP68 rating.

The PSU should be installed according to all relevant safety regulations.

- 1) Fix to wall or other support structure using the screws/fixings supplied or use appropriate types for the surface it is being mounted to – note IP68 enclosure mounting holes are located within the lid screw apertures.
- 2) Mains input cable must be to the applicable standard with a 3A or greater current capacity, having a minimum operating voltage of 300/500V ac.

- 3) The low voltage output cable must be correctly sized to carry the rated load current to the devices connected to the PSU.
- 4) Mains input and low voltage output cables should be routed to use different entry/exit holes in enclosure.
- 5) To comply with current BS EN60950 safety legislation the supplied cable ties must be used to secure mains input and low voltage output wiring.

OPERATION

This unit is intended for use by Service Personnel only - There are NO USER SERVICEABLE parts inside. The green Mains LED will be illuminated whilst the mains supply is present. In the event of a fault condition, the red Fault LED will also be illuminated on the module.

MAINTENANCE

There is no regular maintenance required of this PSU.

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. The fuse(s) may need to be replaced on the single output versions. 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 2012/19/EU 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

SPECIFICATION

Input Specification

	VPSU12xyEXTe
Voltage (rated)	100-240V ac
Voltage (operating)	90-264V ac
Frequency	50-60Hz
Mains Input Fuse (Terminal)	T2.0A HRC
Module fuse - Mains	T2.0A HRC
Max standby Power	0.5W (no load connected)
Max Mains Input Current	1.5A

Output Specification

Voltage	11.4 – 12.6V dc (12V dc nominal)
Max load current	2A or 4A dependant on model
Ripple	150 mV pk-pk max
Load output Fuses	See Model Specification Table below
Overload	Electronic shutdown until overload or short circuit removed

Local Indicators

MAINS LED (Green)	Mains present
FAULT LED (Red)	Fault present: Output fuse fail (requires load to be connected)

Fused Outputs

Model:	VPSU1221EXTe	VPSU1241EXTe	VPSU1244EXTe	VPSU1248EXTe
No. of Fused outputs:	1	1	4 x PTC	8 x PTC
Output fuse Value	F2.0A	F4.0A	1.0A	500mA

Mechanical

	IP68 - Enclosure
Enclosure Dimensions h x w x d (mm) [external]	250 x 150 x 100
Weight	1.05kg

Environmental

Temperature	-10 to +40°C (operating) 95% RH non-condensing -20 to +80°C (storage)
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COMPLIANCE

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

Low Voltage:	2014/35/EU
EMC:	2014/30/EU
RoHS2:	2011/65/EU
WEEE:	2012/19/EU



Explanation of symbols: (Not all may apply)



Fault Indication



Shock Risk - isolate before attempting access



Certification Level



Mains Present



Protective Earth



Do not dispose of in unsorted waste

Specifications subject to change without notice

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