

# PG822

## Boxed switching power supply, 12VDC 2A

The PG822 is a boxed, ready-to-use, switching power supply. The major components of the PG822 are :

PM822, A highly efficient switching 12V 2A power supply module.

XF822, A 220/240V 2.1A transformer with 24 VAC output.

DH931, A steel box with a hinged door protected by a tamper switch.

The PM822 switching power supply has a 24VAC input and offers two outputs. The two outputs continuously supply 2A at 13.8 Volts. The first output consists of two leads with battery connectors for charging batteries while the second output comes from two screw terminals used to power external devices. Both outputs are protected by an electronic current limitation and are separately fused.

The XF822 transformer provides the PM822 power supply with 24VAC. It can be used with 220V or 240V line voltage. A built-in thermal switch protects the transformer from overheating. The main input is protected by a fuse.

The DH 931 housing is made of 1.2 mm steel with knockouts in the bottom and holes in the back to provide a number of wiring options. The hinged door on the front of the housing is protected with a tamper switch. Inside the box, space is provided for a TD920 dialler and/or various Interlogix batteries.

For customer designed applications, the PM822 power supply module, the XF822 transformer and the DH931 housing are also available as separate items.



### Details

- Electronic 12VDC, 2A switching power supply
- 220/240VAC, 24V, 2.1A transformer
- 1.2 mm steel housing with tamper switch
- Short circuit protected separately fused outputs
- Separate battery charge output
- Various combinations with batteries possible
- AC indication output
- AC off input
- Transformer protection by a thermal fuse
- MOV lightning/transient protection

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### Technical specifications

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#### General

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Fuse(s) 2x 5 A-T

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#### Electrical

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Mains input 230 VAC

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#### Output

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Power output voltage 13.8 VDC

Output ripple 50 mV pk-pk max.

Power output current  
mains 2 A

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#### Physical

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Colour White

Form factor Steel cabinet

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#### Standards & Regulation

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Compliance CE, REACH, RoHS 2, WEEE

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#### Input voltage

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220 / 240 VAC

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#### Output voltage

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13.75 ±0.05 VDC

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#### Dimensions (W x H x D)

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285 x 285 x 80 mm

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#### Weight

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4 kg

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#### Operating temperature

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0 to +50°C

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#### Load regulation

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5 mA to 1 A 160 mV

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#### Line regulation

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V input 20 to 28 VAC 100 mV

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#### Output current

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2.0 A

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#### Short circuit current

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2.2 A

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#### Max. output ripple

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V output 2 A 50 mV pk-pk max.

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#### AC-fail output

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12 VDC when AC is present

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#### Fuse

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2 x 5 A-T

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