MC-USV

Uninterruptible power supply

The MC-USV operates at an input voltage of 12 – 30 V DC, charging internal lithium-ion rechargeable batteries. The output provides a consistent 24 V DC power supply to connected devices. Should the input voltage fail, the charged battery is used to buffer output voltage until power falls below the minimum battery voltage or the charging process is resumed. Provide LEDs information on the current status. In addition to this, two signal outputs provide information on input voltage failure or low battery charge status. Devices connected to the outputs, for instance MC routers, are able to use the signals to transmit power supply status notifications via SMS or e-mail.

Performance characteristics:

- Uninterrupted power supply to a device (e.g. MC router) in the event of a power failure or voltage fluctuations
- Integral Li-Ion rechargeable battery 7.4 V/2200mAh
- Rechargeable battery monitoring and charging indicator
- "Digital Out" signal outputs for Power Failure and minimal Battery Voltage
- LED display for Power Failure, Error, Charging, Battery Voltage OK and Output Voltage OK
- Short circuit-proof; overload and open circuit-proof
- Can be turned off manually to prevent self-discharging during storage
- Can be used with original MC-Router mains adapters (RJ12 jack) or external power supplies (screw terminal)

Technical data:

Input voltage: 12 – 30 V DC
Output voltage: 24 V DC
Output current: approx. 300 mA
Capacity: 3400 mAh
Degree of efficiency: approx. 60 – 90 %
Mounting: On a DIN rail
Dimensions (W x H x D): 44 x 105 x 84 mm

LED signalling:

LED	Description
Vin	Input voltage OK
Charge	Battery charging error
Load	Battery is being charged
Battery	Battery voltage OK
Vout	Output voltage OK (> 20 VDC)

Errors and omissions excepted.

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