

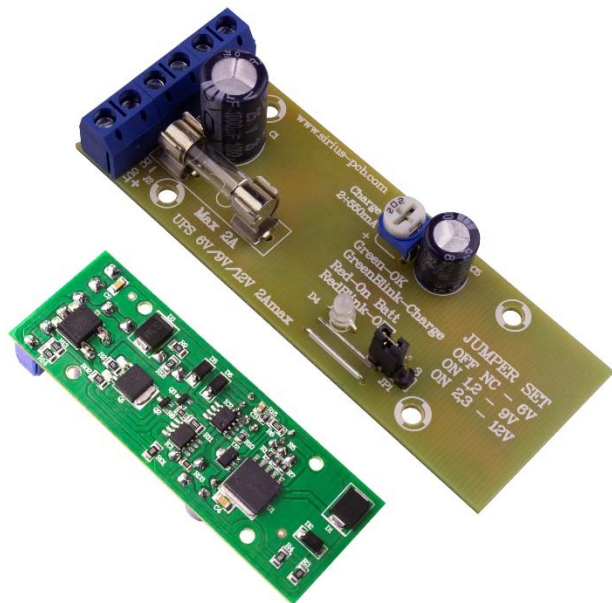


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DC UPS 6V 9V 12V

№100848



The device is based on contemporary microcontroller and it is an uninterruptible power supply (UPS) for voltage of 6V, 9V, 12V.

It is applicable for devices which use an uninterruptible power supply such as: alarm systems, routers, emergency lighting and etc.

Specifications of DC UPS 6V 9V 12V

- Uninterruptible power supply
- Output Current Rating 2A
- Reverse polarity battery protection
- Charge current adjustment 2mA ÷ 550mA
- LED indication for multi cell battery state
- LED indication for supply voltage
- Choice of regulated output voltage DC 6V, 9V, 12V
- Supply Voltage: 18V DC/12V AC
- Size: 83mm x 30mm
- Suitable for mounting in DIN rail box – Z-103

Description

- uninterruptible power supply voltage of 6V, 9V, 12V DC
- trimmer P1 – for adjusting the charge current of the multi cell battery from 1mA÷550mA
- to terminal J1 – for input supply voltage of 12V AC/18V DC
- to terminal J2 – a 12V multi cell battery is plugged
- terminal J3 – output with stable DC 6V, 9V & 12V supply voltages
- fuse F1 (2A) – protects the multi cell battery from overload
- by jumper JP1 – output voltage is set (6V, 9V & 12V)

Signalling:

- LED D6 (green) – turned on power supply
- LED D6 (flashing - green) – multi cell battery charge
- LED D6 (red) – multi cell battery is used as power supply
- LED D6 (flashing - red) – turned off output

Output voltage choices:

- 6V (Without jumper JP1)
- 9V (jumper JP1 on 1,2)
- 12V (jumper JP1 on 2,3)

Multi cell battery state of charge:

- charge termination at voltage over 13.8V
- charge begins at voltage below 12.8V
- output is turned off at voltage below 10.5V
- output recovery when external power supply is available

Example of Device Wiring Diagram

