Template:Networking bat1xx manual powering options

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Contents

Power IN socket

The device has a 4 pin power IN socket and can be powered by a **9-30 VDC** power supply unit (PSU). Refer to the image below for the power socket's pinout information:

[[File:{{{file_powerin_socket}}}]]

If you decide not to use the standard wall adapter and want to power the device from a higher voltage (15-30 VDC), please make sure that you choose a power supply of high quality which does not exceed 33 VDC. Some power supplies can produce voltage peaks significantly higher than the declared output voltage, especially during connection and disconnection.

While the device is designed to accept input voltage of up to 30 VDC peaks, high voltage power supplies can harm the device. If you want to use high voltage power supplies it is recommended to also use additional safety equipment to suppress voltage peaks from the power supply.

Power OUT socket

The device has a 4 pin power OUT socket which is used to power an end device using a 4-pin to 4-pin cable. Refer to the image below for the power socket's pinout information:

[[File:{{{file_powerout_socket}}}]]

Technical information

Technical specifications	
Input voltage range	9-30 VDC
Output voltage in passthrough mode	9-30 VDC
Output voltage in battery mode	12 VDC
Max output power/current in battery mode	22 W/1.8 A
Battery capacity	2300 mAh
Working temperature	0°C to 45°C

Warning

This device is equipped with lithium-ion cells. Do not open the casing to avoid cell damage and other hazards.

It is strictly forbidden to dismantle, squeeze, pierce, insert any foreign object and short circuit BAT120, or expose it to liquids, fire or environments where temperature is above 60°C.