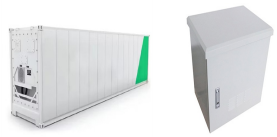
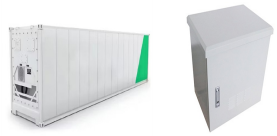
HOW MANY VOLTS OF POWER SUPPLY SHOULD I USE FOR AN OPTICAL MODEM

The modem's power supply is rated at 12 volts and actually produces around 12.4 volts and I am wondering if the modem could handle an extra 0.8 volt or so, the battery would be getting charged at around 13.2 volts to keep it topped up at all times.

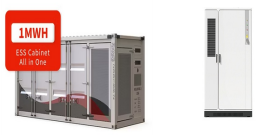


Check all cables are firmly plugged in. The Ethernet cable (red ends) must be plugged into the WAN port (or port 4) on your hub and the other end into the Openreach modem's PORT1/LAN1 port - the number of ports on these modems can vary. Make sure the power cable is connected to your hub and the power socket.

Optical: This hosts the fibre optic cable that comes from the exchange to your house. PORT 1: Here you plug in an Ethernet cable that runs to your BT Hub. Some modems have multiple ports.



No physical access to the box for next few hours, but I need to know power supply requirements for the FF ONT box 12V? 9V? Any recommendations for a mini-UPS to cover both this and router



I saw that there are UPS like this Mini DC UPS and this APC one, though the issue is that my router uses 19.5 V at 2.31 A, and both UPS's mentioned use 12V. For reference my modem is a Motorola MB8611 and router is a ASUS RT-AX86U. Can anyone recommend me a UPS that would be sufficient to keep these running for ideally 4+ hours (half a work day)?

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