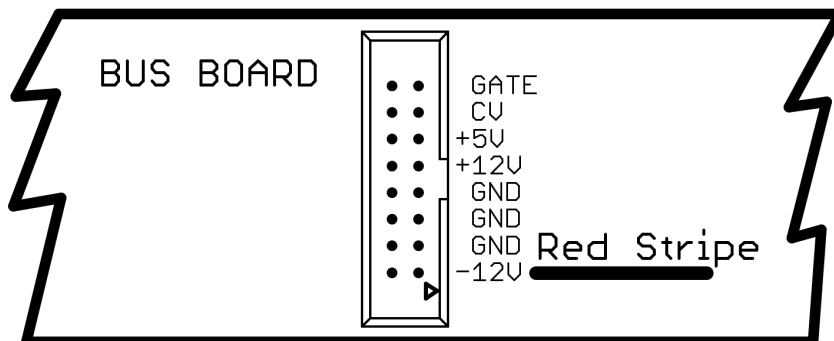


UPWR FEATURES:

- **4hp** Eurorack **USB-C** power supply
- supplies:
 - 12V: **2000mA**
 - -12V: **1000mA**
 - 5V: **500mA**
- requires a **65W USB-C PD** (power delivery) **mains adapter** or **power bank**
- **UPWR** requests **20V** from your power supply, a **45W/15V** version will **not** work!
- please note the **maximum** current **UPWR** can supply, normally **two rows of 104hp** should be no problem but it all depends on how **power hungry** your modules are. You can e.g. use <https://modulargrid.net/> to check how much current your case will draw

UPWR INSTALLATION:

- turn **OFF** power in your system!
- connect **UPWR** with the supplied **16-pin cable** to the Eurorack bus board
- if your case has a second bus board you can use the 2nd supplied **16-pin cable** to connect that one too
- make sure all ribbon cable plugs are **correctly and firmly seated!**
- if your busboard does not have **shrouded headers**, please note the correct orientation of the **red stripe** on the ribbon cable: it should be oriented towards the **-12V** connection, usually **facing down**:

**UPWR OPERATION:**

- plug your **USB-C** power adapter or power bank into the USB-C connector of **UPWR**
the three **LEDs** show the status of **+5V**, **+12V** and **-12V** (top to bottom)
- **NOTE: UPWR bottom PCB can get quite warm during normal operation, especially when drawing full power on the rails, this is normal**
- please avoid to touch the module's PCBs during operation or shortly after power-down

