zaribo
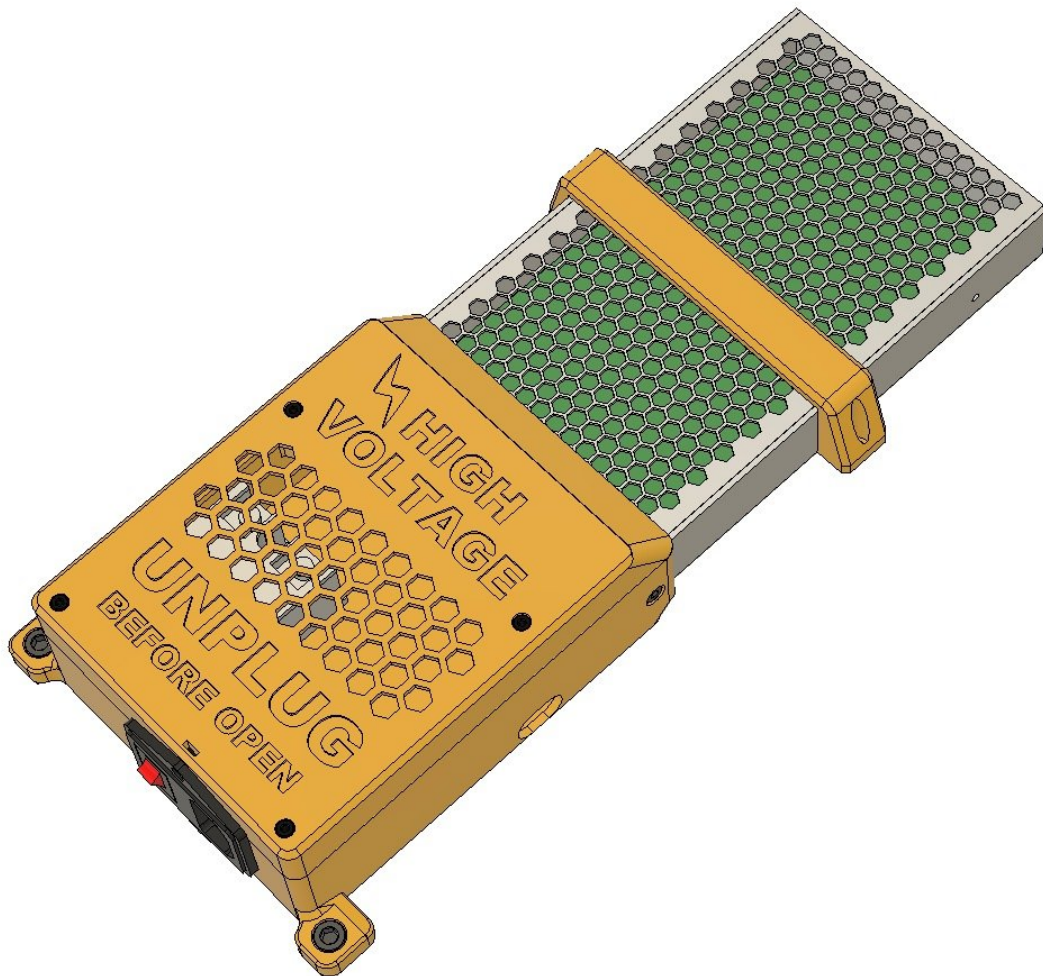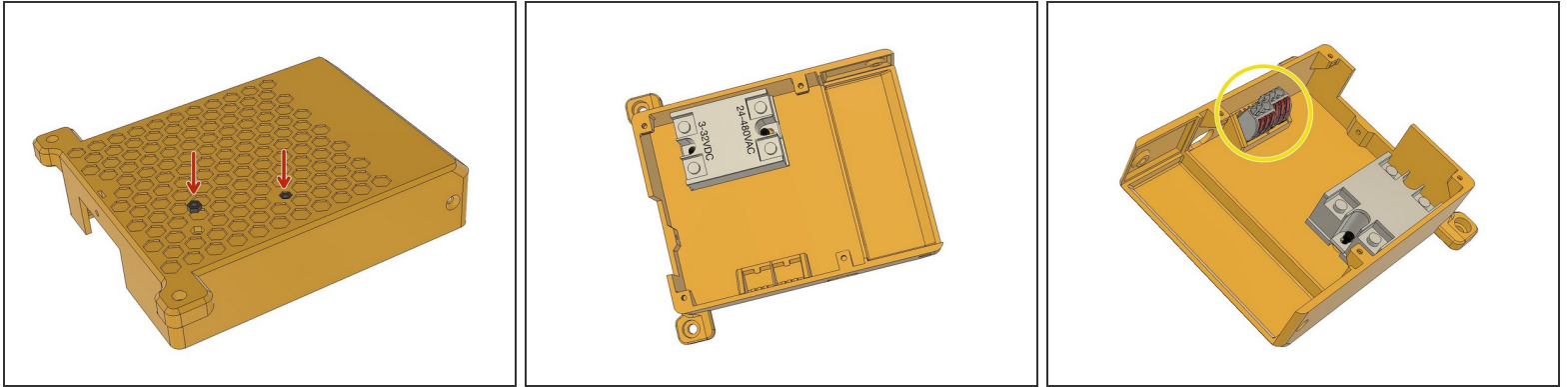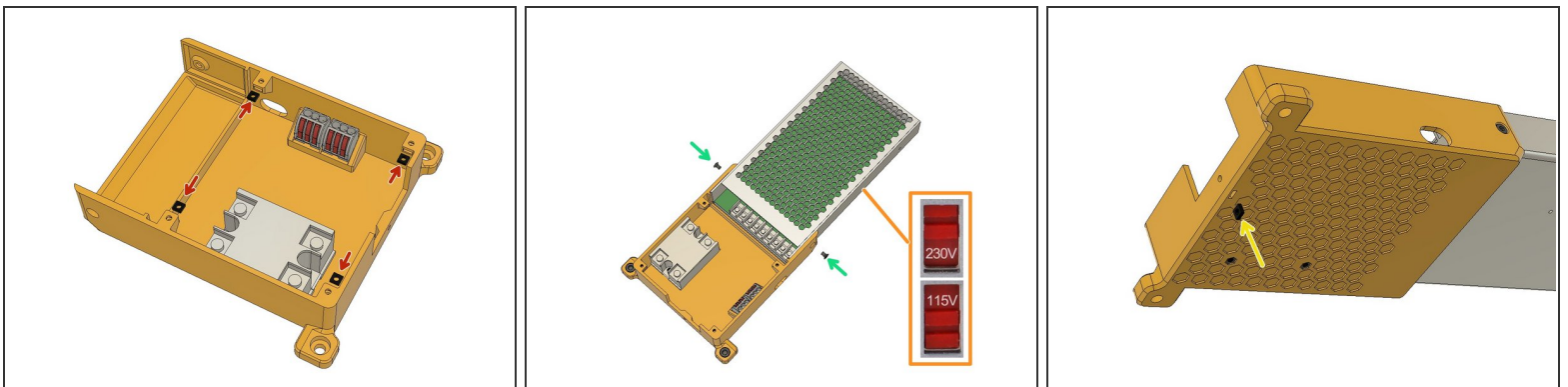
07 | PSU Assembly

Written By: ZARIBO

Step 1 — 07 | PSU Assembly
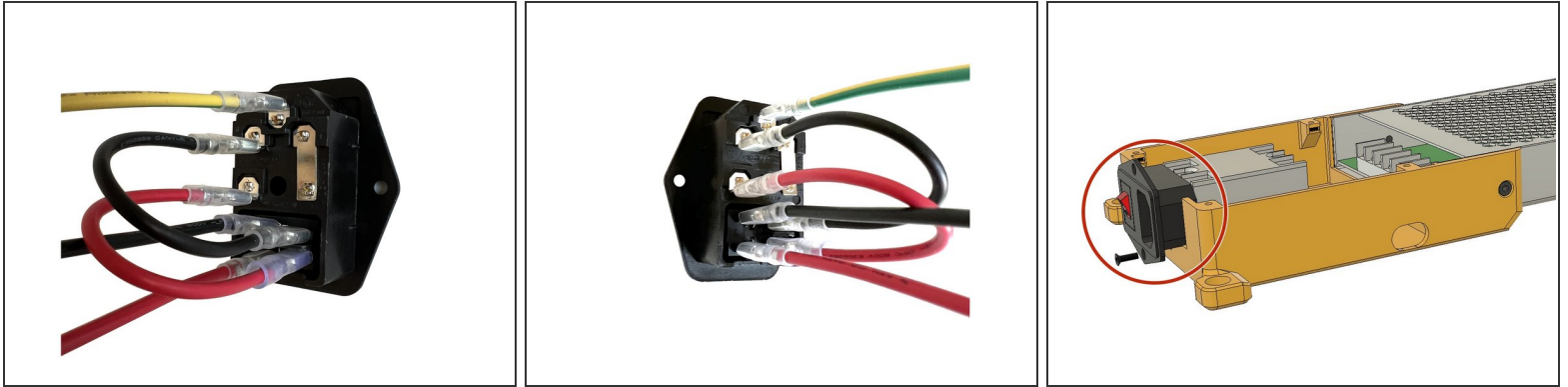

- Insert two M3 Hex Nuts to the back slots of the PSU housing body.

- Mount the SSR module with **M3 x 8mm Screws.** The orientation of the SSR is important for cable management. Please position as seen on the picture.

- Place the **WAGO 3pin Terminals** to their slots in the PSU Body. You should feel a slight click when you push them.

Step 2

- Insert **M3 Square Nuts** for cover.

- Select the correct mains voltage on your **PSU**.

- Mount the **LRS 250W PSU** with two **M4 x 4mm** screws.

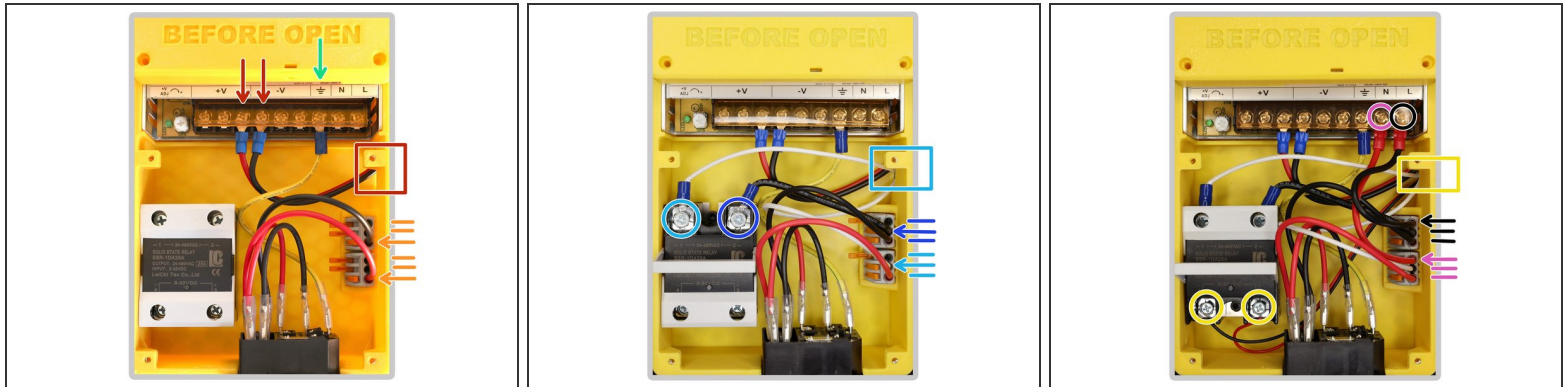- Insert an **M3 Square Nut** for Power Connector.

Step 3

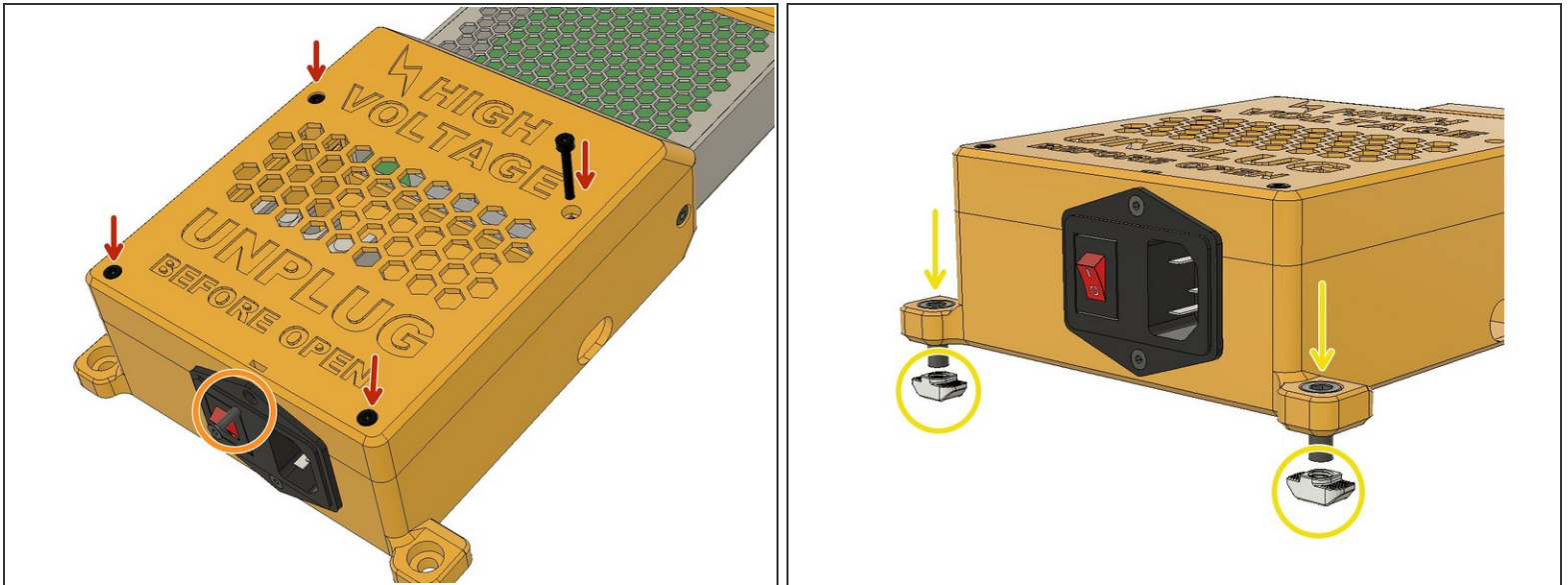ⓘ To prepare the Power Socket, connect the cables as seen in the pictures.

● Slide the power socket to the slot on the **PSU** body and fasten it with an **M3 x 6mm Counterbore** screw.

Step 4

- Pass the **Octopus Pro** controller's 24v power cable through the side hole and connect it to the V+ and V- ports on the **PSU**. Red cable should be connected to + Red/Black cable should be connected to -

- Connect the yellow GND cable coming from **Power Socket** to the Ground port on the **PSU**.

- Insert the crimped cable ends to the **WAGO** connectors as seen in the picture and lift down the orange levers to lock them.

- Pass the **Heated Bed Power Cables(28cm)** through the side hole of the body and connect the fork crimp terminal to SSR. Connect the other end of the cable to the lower WAGO. *This is an AC cable that has no orientation requirement.*

- Connect the other side of the **SSR** to the upper **WAGO** with the supplied 10cm cables.

- Connect the N port on **PSU** to the **WAGO** terminal at the bottom with the supplied 10cm cable.

- Connect the L port on PSU to the WAGO terminal with the supplied 10cm cable.

- Lastly, pass the **Board to SSR Cable** through the hole on the side of the body and connect the bottom terminals of the **SSR**. This cable is a DC cable and orientation is important. Please connect the RED cable to the terminal on the right. (+)

Step 5

- Use the **M3 x 20mm** screws to mount the cover of the **PSU** housing.

- Use an M3 x 8mm Counterbore screw to the power socket's remaining hole to secure it in its place.

- Use two **M6 x 12 mm** and two **M6 Drop-in T-nuts** to mount the PSU to the frame.

Step 6

- Turn the printer's backside down and assemble the PSU by tightening the **M6 x 12mm** screws and T-Nuts. Please ensure that a 5mm gap has been left between the plastic and the T-Nut.

- Use **M3 x 10mm** screws to mount the PSU Holder clamp with the **M3 Square Nut** holders.

This document was generated on 2023-02-18 10:53:41 PM (MST).