

Fusion3

EDGE 3D Printer

ADVANCED TOPICS: SWITCHING PSU INPUT VOLTAGE

Revision 12/5/2022

SWITCHING THE PSU INPUT VOLTAGE

How to switch the PSU input voltage for operation outside of North America

WARNINGS & DISCLAIMERS

Do not perform the steps in this document unless you know what your local electrical voltage is.

Use of the improper voltage may cause equipment damage. In some cases this damage may not be covered by your warranty.

Use of electrical sources other than 110/120VAC 60Hz may require you to locate and use a power cord other than the one supplied with your printer. Fusion3 cannot supply these power cords.

If you are using accessories such as the filament bay heater or chamber heater, these work on mains power. They have a thermostat so they should function safely but they will heat up much more quickly.

INTRODUCTION

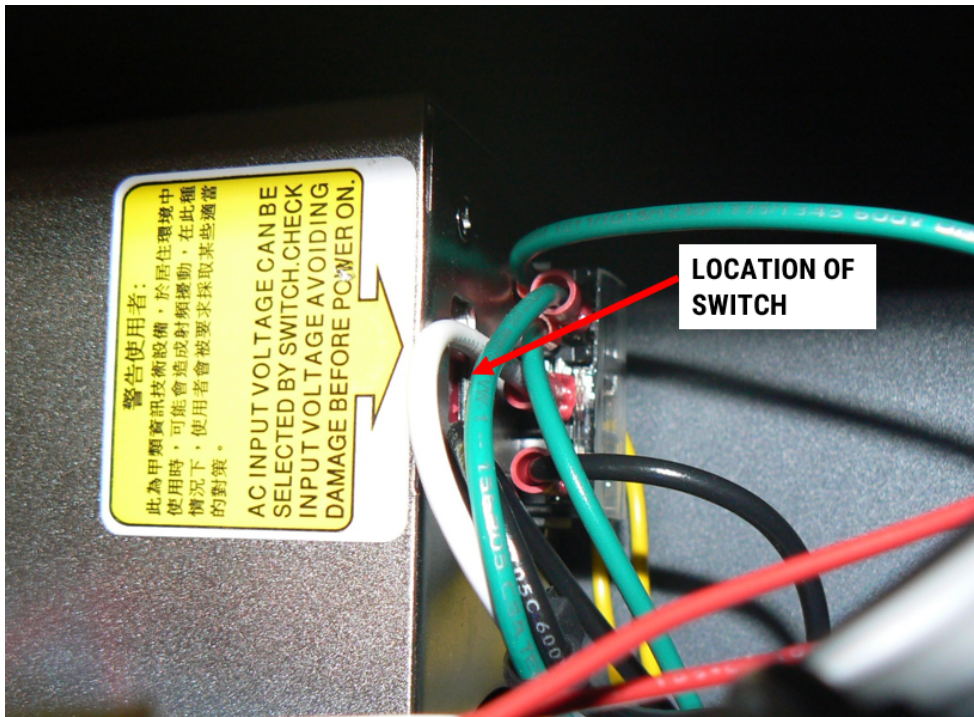
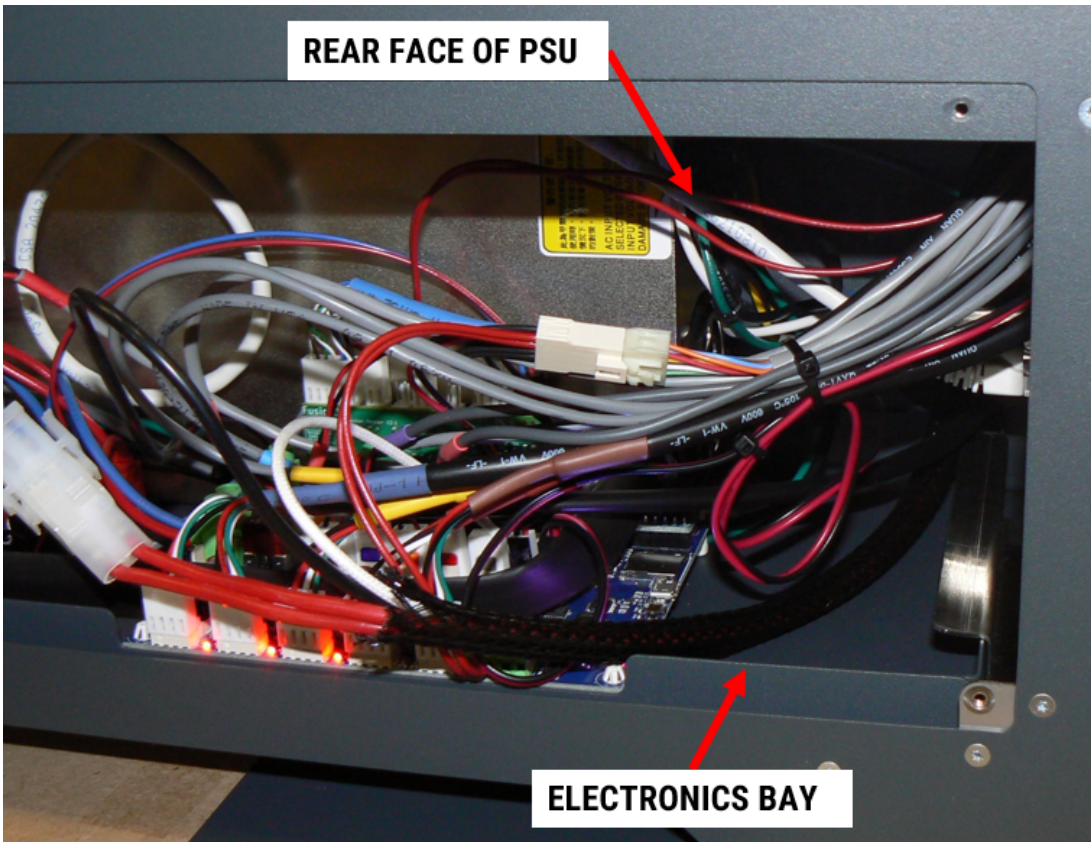
The main power supply (PSU) in EDGE is capable of operating on 110/120 VAC (North America standard) or 220/230VAC. In order to change between them, a small switch on the PSU must be switched over. This document will walk you through how to do this.

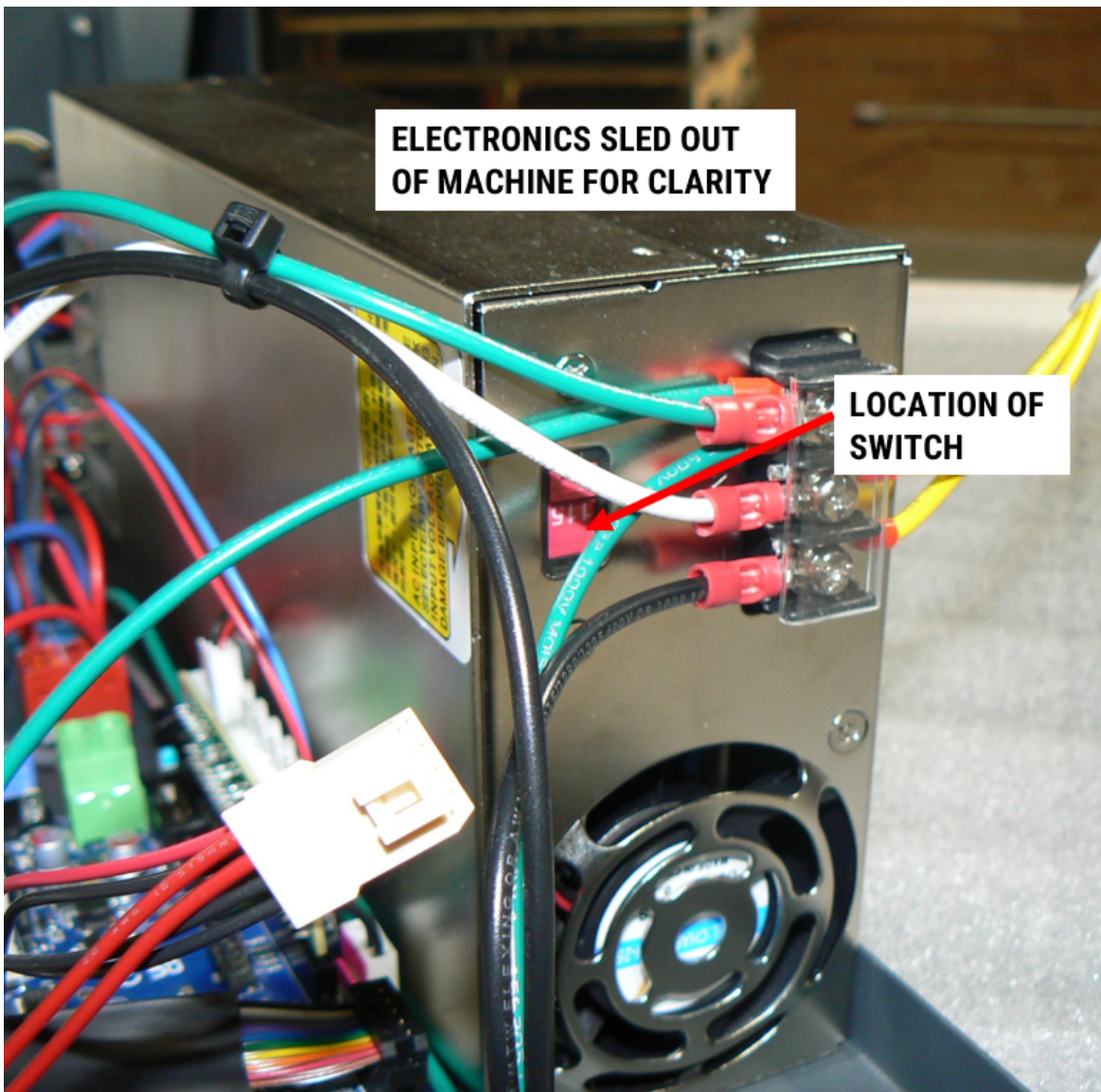
CHANGING THE INPUT VOLTAGE

1. Power the printer off and unplug it.
2. Open the electronics bay following [the instructions here](#).
3. You may need to slide the electronics bay sled out of the printer an inch or two to gain enough access to get to the switch. For more information on the location of these screws see the [Electronics Bay Sled Swap Instructions](#).

IMPORTANT: DO NOT disconnect any wires, just slide the sled out a little bit. Stop sliding when you encounter resistance from the wires.

4. The switch is located on the rear face of the PSU, towards the top. Below is a picture of what it looks like in the electronics bay, and what it looks like with the sled out of the printer for clarity.





5. To switch to 230V mode, push the switch DOWN so "230" is showing.
6. To switch to 115V mode, push the switch UP so "115" is showing.
7. Push the sled back into place.
8. Check the wires to make sure nothing came disconnected.
9. Power the printer on and verify functionality.
10. Close up the electronics bay.