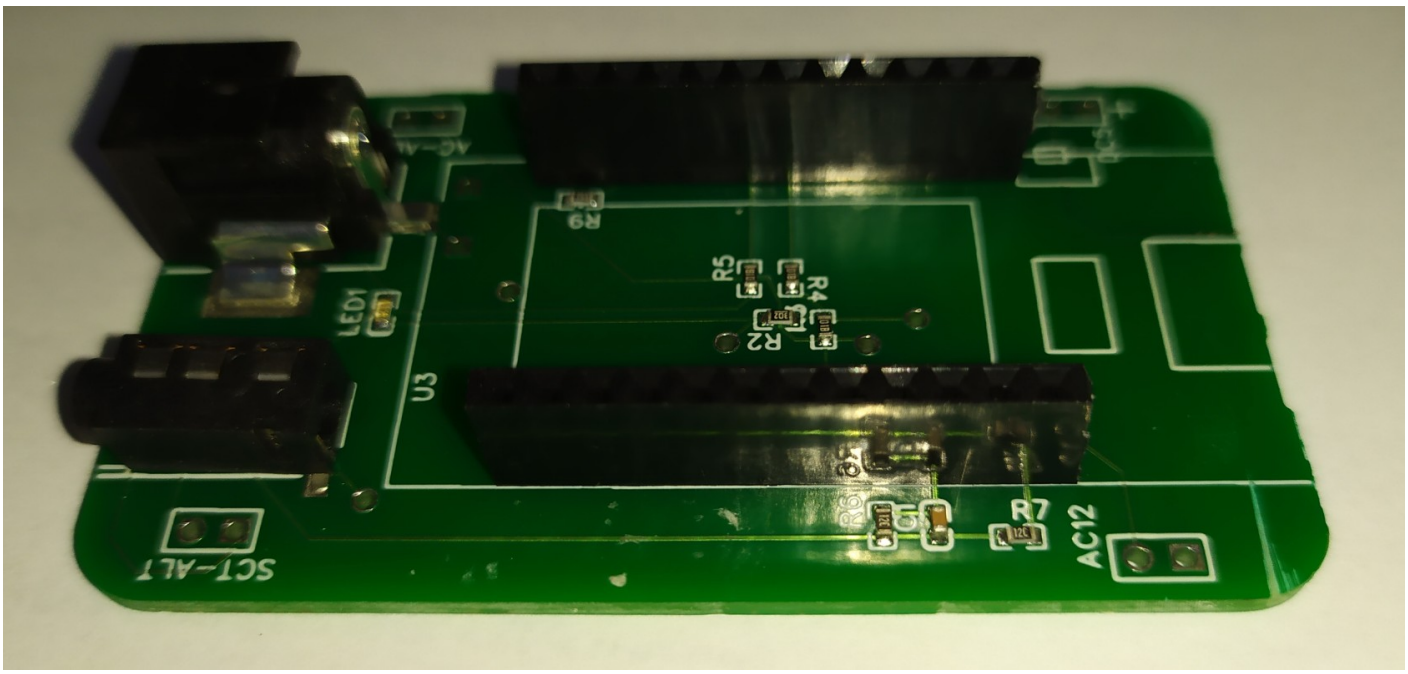
10 - Creation of the PV router with a TTGO-Tdisplay

The creation of the Pv router with the card adapted for the TTGO Tdisplay is currently the fastest



this card can be ordered from the APPER association, and its purchase is considered a donation and therefore partially tax deductible.

The rest of the components can be ordered from various component suppliers. (Aliexpress, Amazon ...)

The display: TTGO Tdisplay



Amazon...

the probe SCT013-30A

Amazon



A 12V recovery power supply

- You have to find an old 9-12V coil power supply in a drawer to convert it to AC power (or buy a power supply from openenergymonitor.com)



12V AC power supplies as standard are very rare.

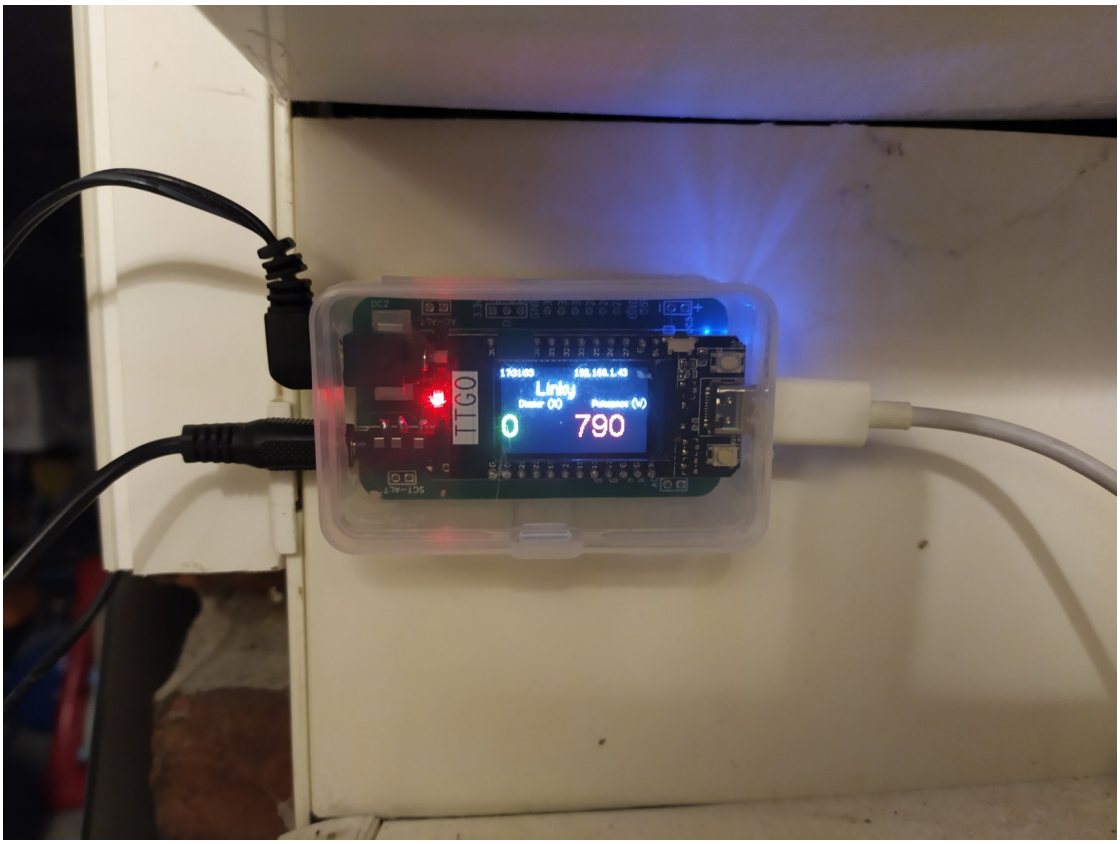
A classic USB power supply (1A max)



The card once mounted with the TTGO can be integrated into the box sold by the TTGO

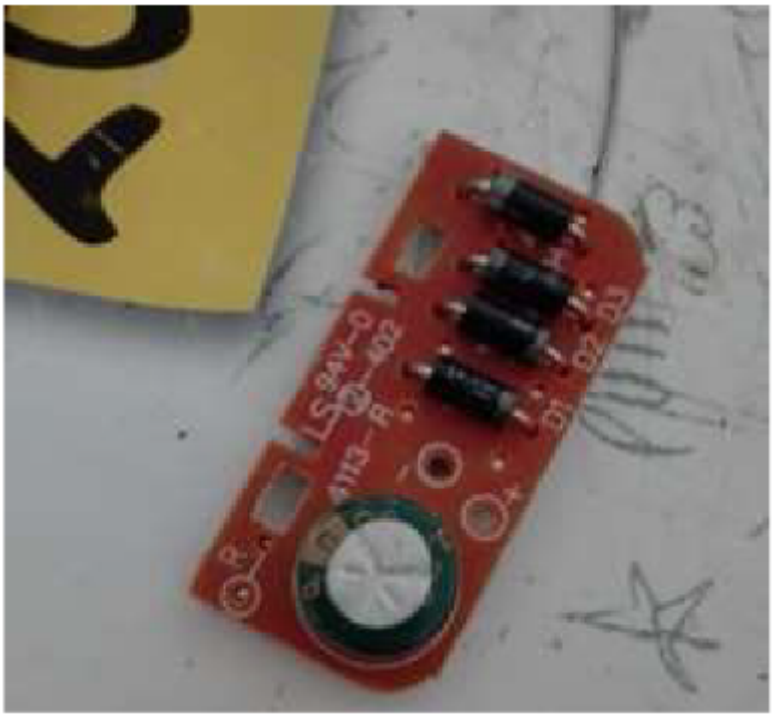


to then be integrated into a table or other after uploading

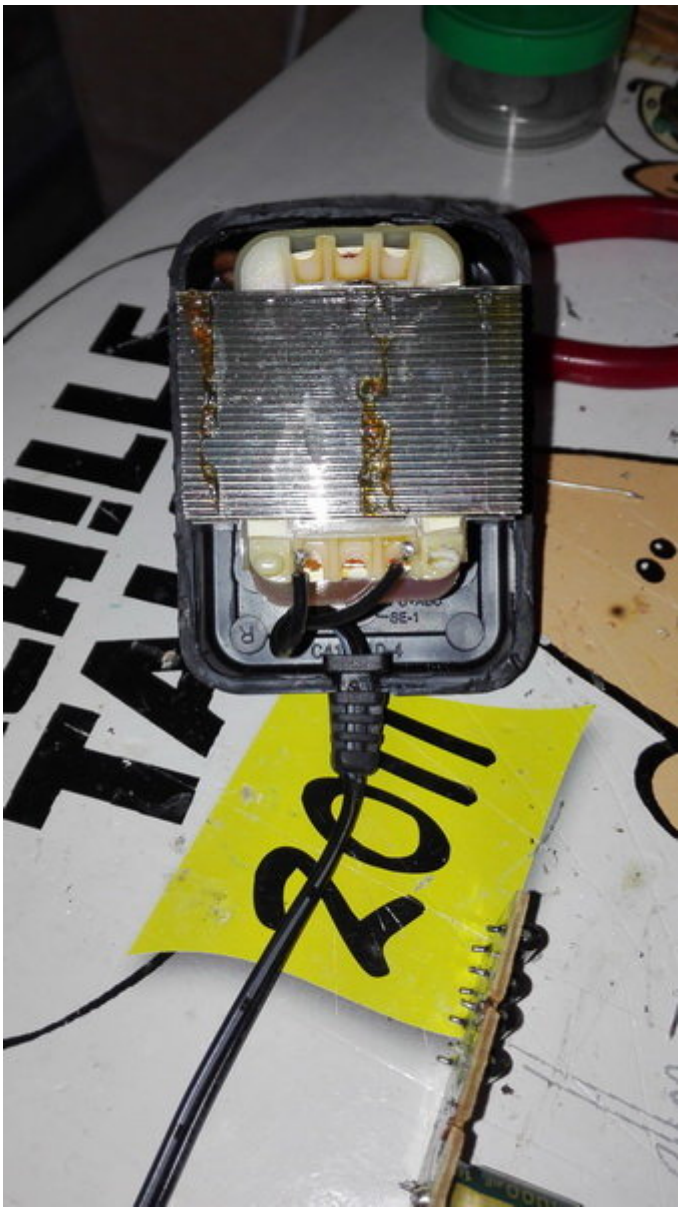


Preparing the 12V-AC power supply

You have to open the power supply and remove the diode bridge present inside.



then resolder the coil outputs to the 12V power cable



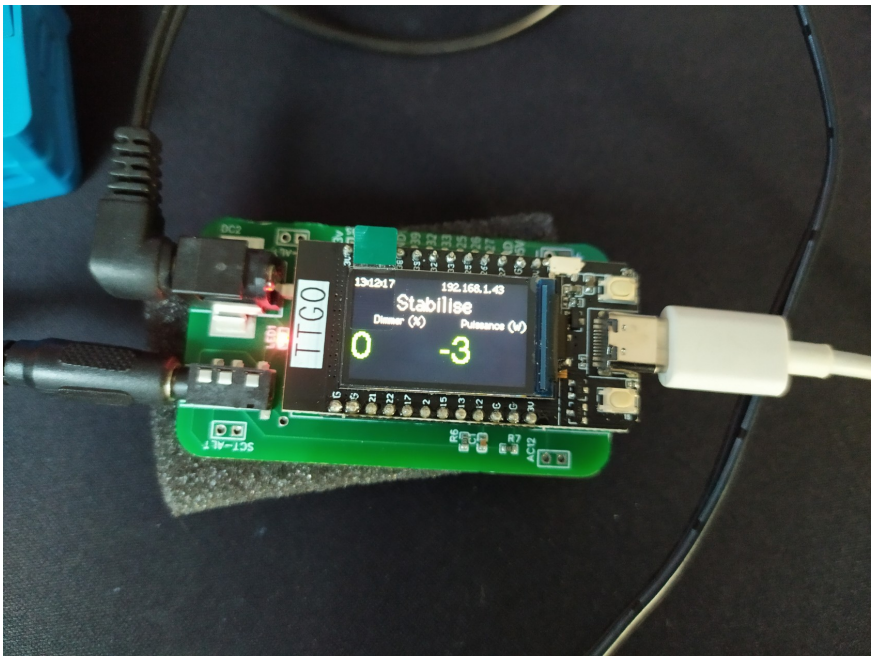
Your 9-12V power supply is now ready.

It is advisable to check before the AC voltage delivered by the power supply.

Upload

Once the assembly is mounted, you can upload the firmware as indicated in this post

you will in principle have a functional Pv router



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