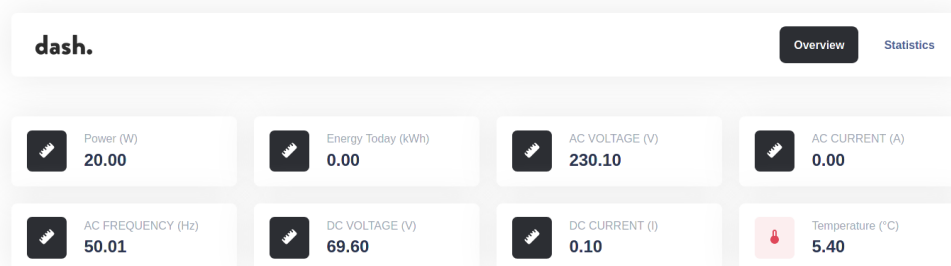Features

- MQTT
- Webinterface (Based on ESPDash)
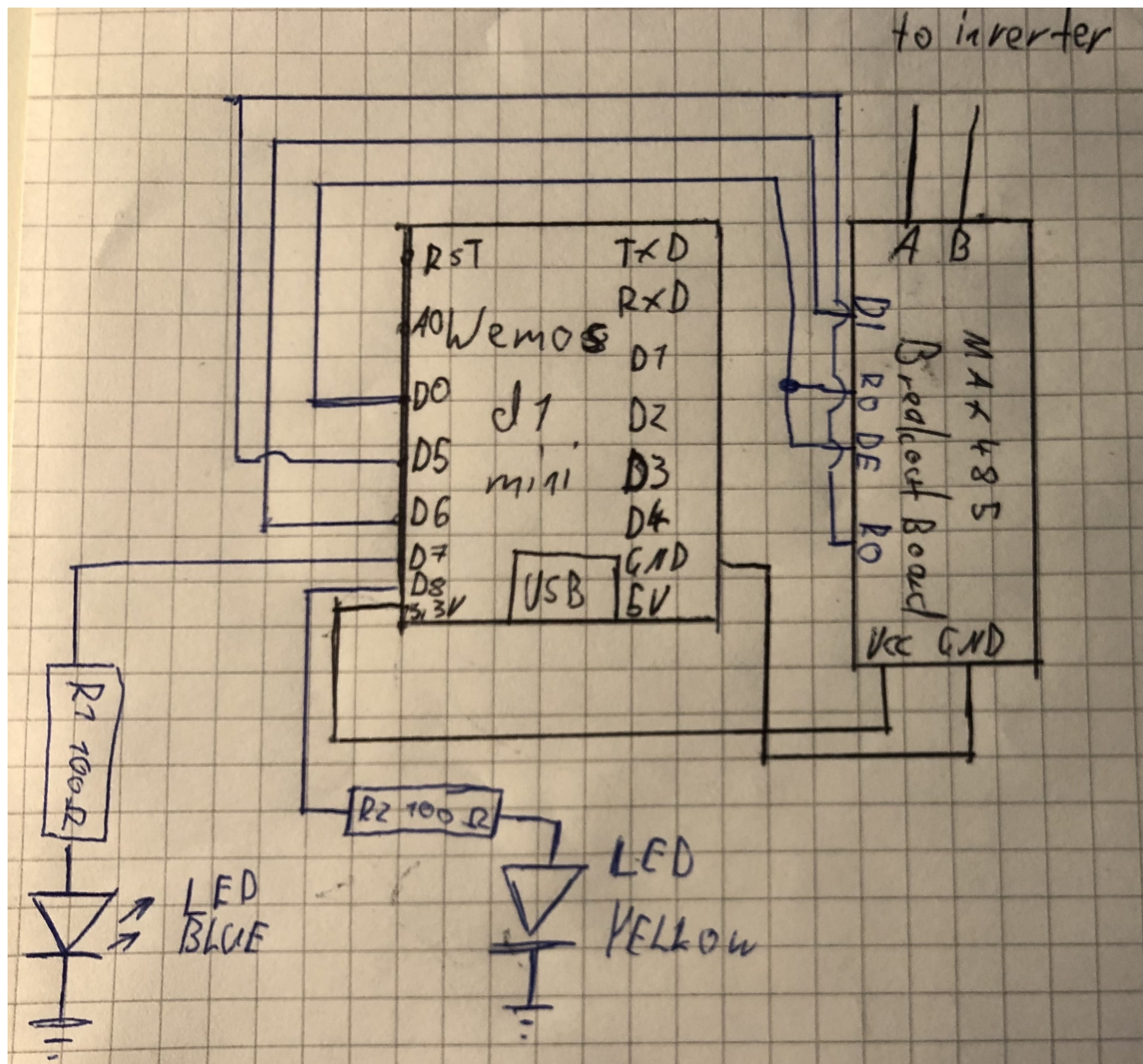- Write data in an influxdb-database
- Send data to PVOutput

Screenshot from webinterface



Used Hardware

- Wemos d1 mini
- Max485
- 2 leds (blue, yellow)
- 2 100 Ohm-resistors

Schematic

## Steps to build - software

0. Install VSCode and platformIO
1. Download or clone this repository
2. Rename the file src/config.h.example to src/config.h
3. Configure it in src/config.h
4. Compile, upload and test your device.

**More detailed instructions: https://10k-resistor.github.io/Solis4Gmini-logger/instructions/detailed/**

## Status leds

| Status | Yellow | Blue |
|---|---|---|
| Inverter off | off | Led flashes (0,5s on 20s off) |
| Inverter on | off | on |
| sends data via mqtt | on | on |
| Sends data to pvoutput | Led flashes (0,5s on,0,5s off) | on |
| Connects with wifi | Led flashes (0,5s on, 0,5s off) | off |
| Wifi connection failed | On | off |

## Known problems

- ESP sometimes crashes while ntp sync