

# Cerbo

## Step 1: Update Git

1. Update local git repo to get the newest **Cerbo\_Release** folder (under **firmware** directory), which contains **CerboReleaseFiles** folder, **update\_Cerbo.py** and this document.

## Step 2: Create bucket and update config.py

1. Open [Installation\\_Data.xlsx](#) at **Cerbo** sheet and pick the installation needs to update
2. Go to [monitor](#) and click **Add new Installation** button

Installation Name\*  
Bachmann, Hütten/ZH | Schibli AG (2020-00087)

Region\*  
Zurich

Location\*  
Hütten

Country\*  
Switzerland

Vpnip\*  
10.2.0.227

VRM Link\*  
73926

Device Type  
Venus

Information

Submit Cancel

- Copy **Installation Name**, **VpnIp** and **VRM Link**(**only the number before /dashboard in the link as follows**) from the sheet to here. Fill out **Region**, **Location** and **Country** using Google Map. Choose **Venus** as **Device Type**. And then press **Submit**.
  - ★ Location<Region<Country
  - ★ <https://vrm.victronenergy.com/installation/182172/dashboard>
- Go to **Information** tab of the installation, and copy **S3 Bucket Name**, **S3 Write Key**, **S3 Write Secret Key** one by one to update **s3 configuration** in **config.py** under the directory of **Cerbo\_Release/CerboReleaseFiles/dbus-fzsonick-48tl**
  - ★ For the S3 bucket name, only need to change the installation id at the beginning.
  - ★ **Please make sure to copy the full key content.**
  - ★ **Please bear in mind that this step needs to be done for each installation!!!**

Installation Name: Berger, Büsserach/SO/CH | KWenergy GmbH (2022-00130)

Status: ●

Installation Name  
Berger, Büsserach/SO/CH | KWenergy GmbH (2022-00130)

Region \*  
Bern

Location \*  
Port

Country \*  
Switzerland

VPN IP  
10.2.2.36

vrmLink  
182172

Device Type  
Cerbo

Information

S3 Bucket Name  
14-c0436b6a-d276-4cd8-9c44-1eae86cf5d0e

S3 Write Key  
EXOf64b919f494cb71894e6e806

S3 Write Secret Key  
Vr6U2qtZVbZWU-knPxZPaNoMu2OkS6HI1WN7RKWNTJU

Apply changes   Delete Installation

```

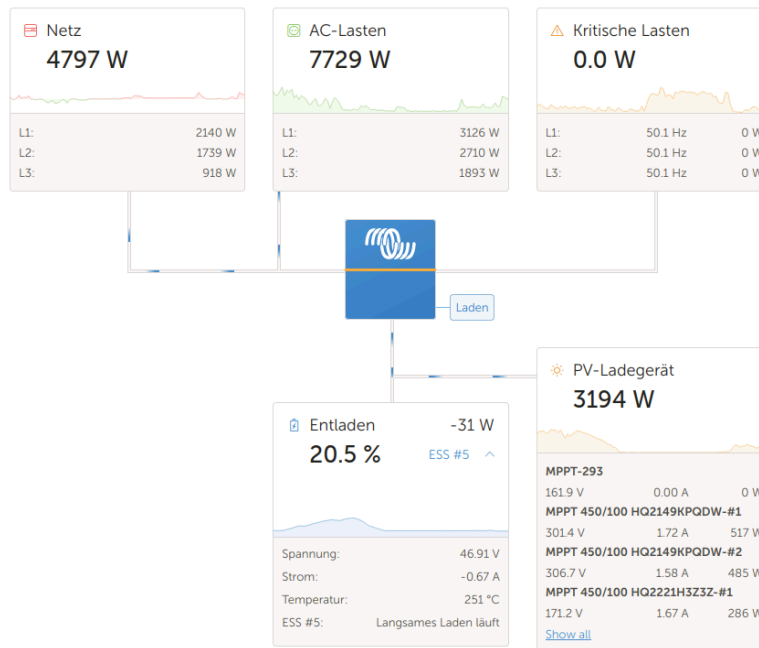
14
15 #s3 configuration
16 S3BUCKET = "2-c0436b6a-d276-4cd8-9c44-1eae86cf5d0e"
17 S3KEY = "EX05b2e35442791260eaaa7bdc8"
18 S3SECRET = "XFF0VzenDiE0oLPmhK6ML9RfQfsAMhrAs25MfJxi-24"
19

```

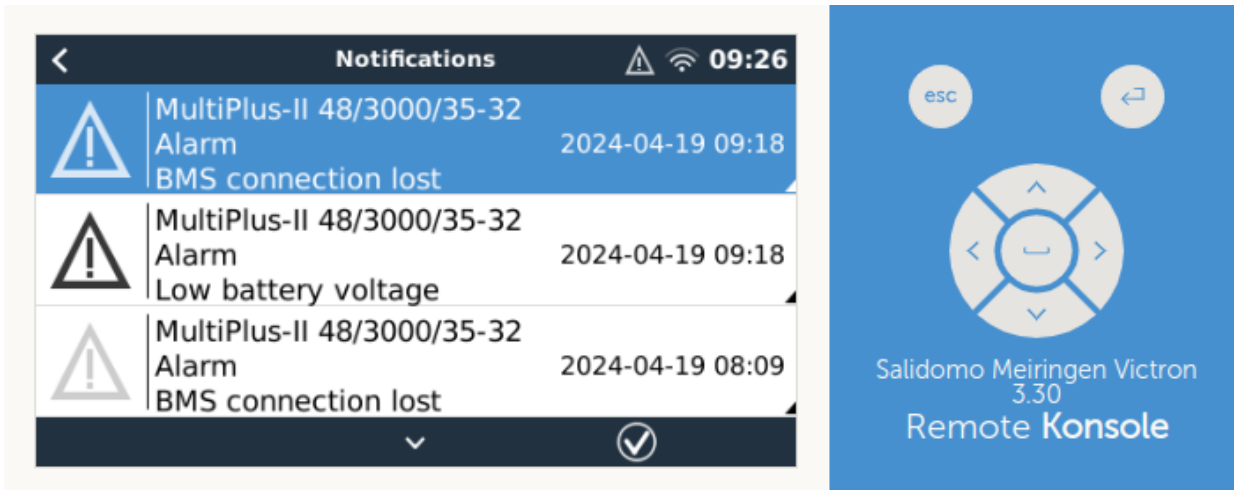
### Step 3: All magic here

1. Navigate to **Cerbo\_Release** directory in any kind of terminal
2. Run the script with the command: **python3 update\_Cerbo.py <VPN\_IP>**
  - ★ **Replace <VPN\_IP> with the actual VPN ip of the installation**
  - ★ The way to check whether the Cerbo is back is to ssh or open VRM to check Remote Console.
  - ★ **If it gets stuck after a firmware update for a long time, try press Enter in the console where this script is running.**

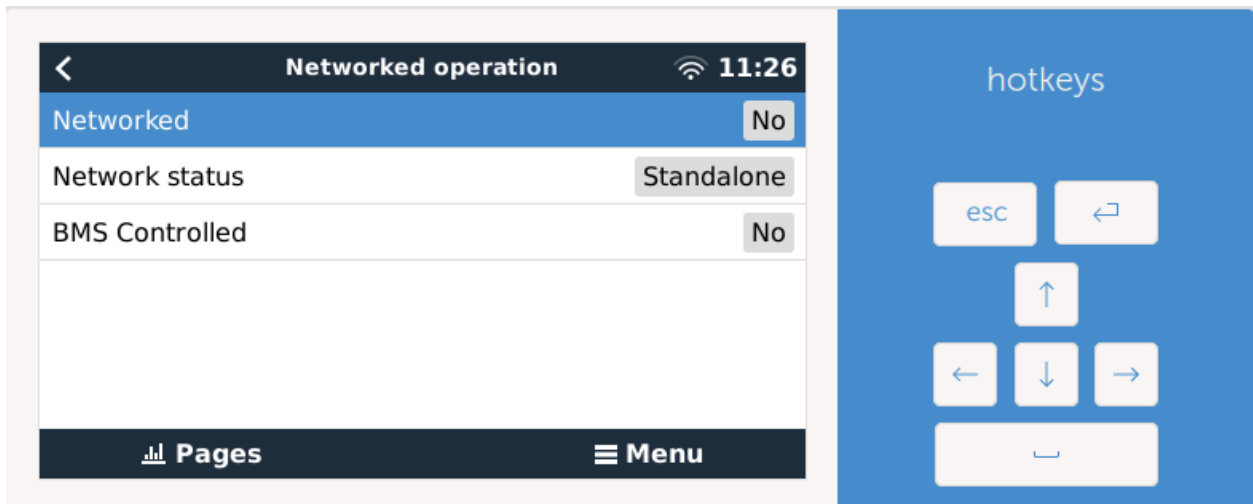
### Step 4: Disconnect MPPT with BMS if there is PV on DC



1. If the installation has PV on the battery side as above, there would be an alarm in **Remote Console** in **VRM** complaining BMS connection lost from MultiPlus as follows



2. Go to **Menu=>Device List=>SmartSolar MPPT VE.Can 250/100 rev2=>Networked operation=>BMS Controlled**, press **Press to reset**. It turns out to be No as follows.



★ **There may be more than 1 MPPT in an installation as shown in Device List, please repeat this step for each of them!!!**

## Step 5: Check everything works well

1. Whether the battery is there on VRM
2. Whether the battery is there on monitor
3. **Mark the installation in google sheet**