# **ESS Self Consumption System**

#### Use Case:

- 1. Charge batteries and feed domestic circuit using off-peak hours
- 2. Discharge batteries and feed domestic circuit during peak hours
- 3. Limit Inverter to 3600W for GR98 connection requirements
- 4. Grid assistance to provide top up power above 3600W

#### Hardware:

Victron Quattro 48/10000

4 x Pylontech US5000

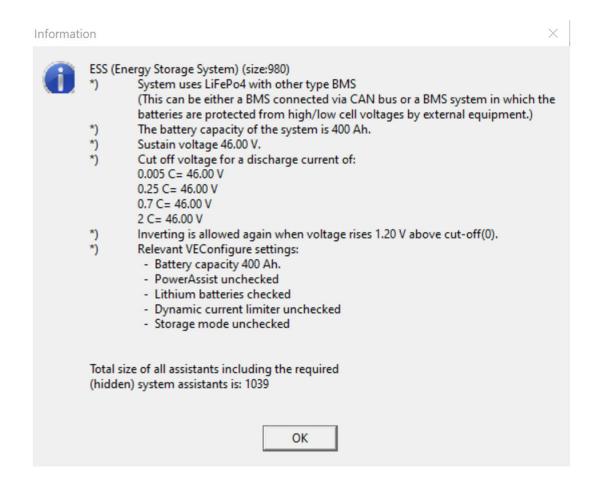
Cerbo GX and Touch 50

Lynx Distrbution

### Settings and screenshots from VE Configure:

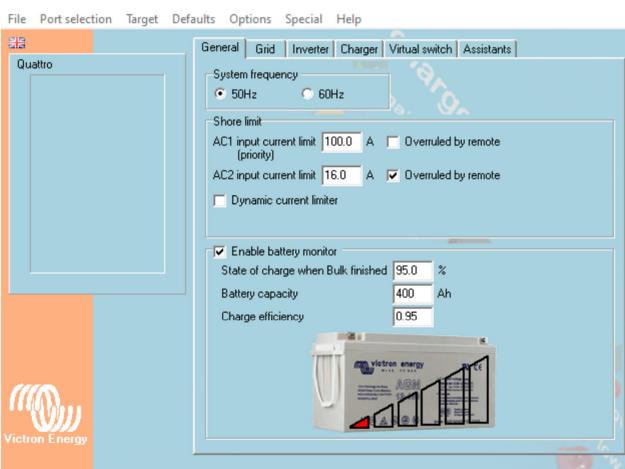
Note that I did not use a MK3 USB adaptor but used VRM devices menu.

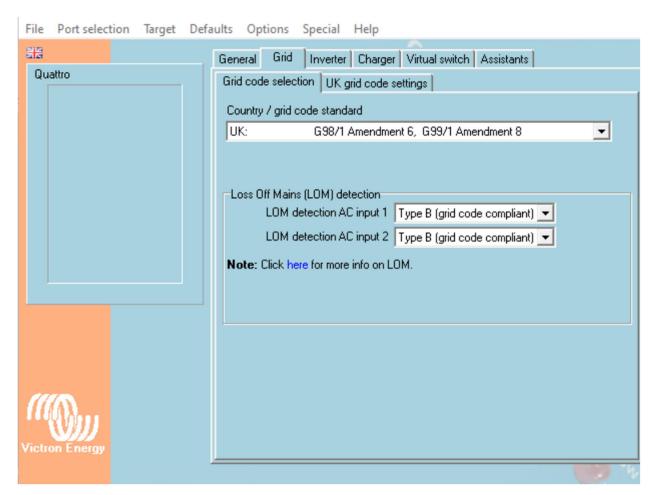
- 1. I used VRM to update the firmware.
- 2. I then used VRM to download the settings from the Quattro, double clicked the downloaded \*.rvsc file. Edited the settings offline as below and saved, and then uploaded the file back to the Quattro using VRM

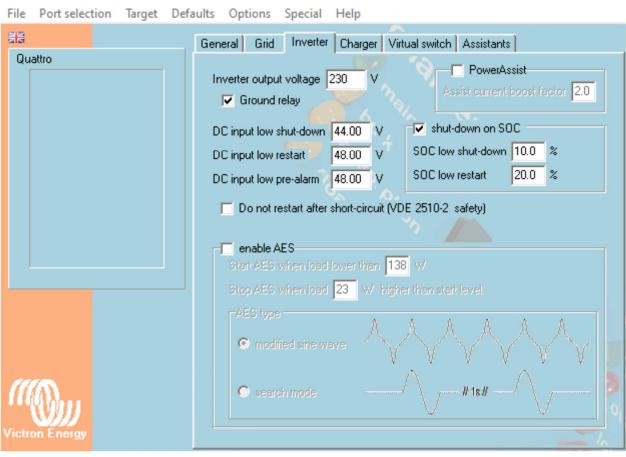




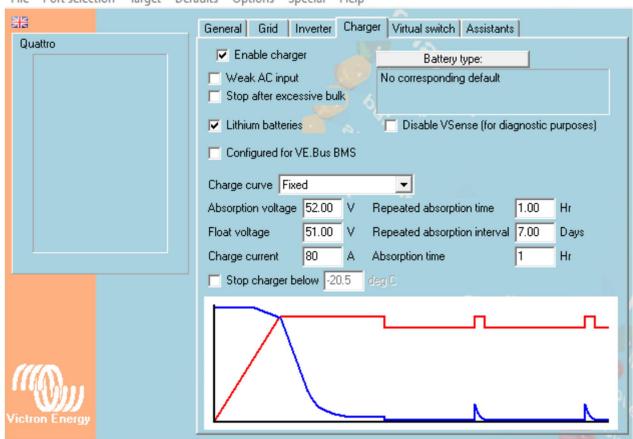




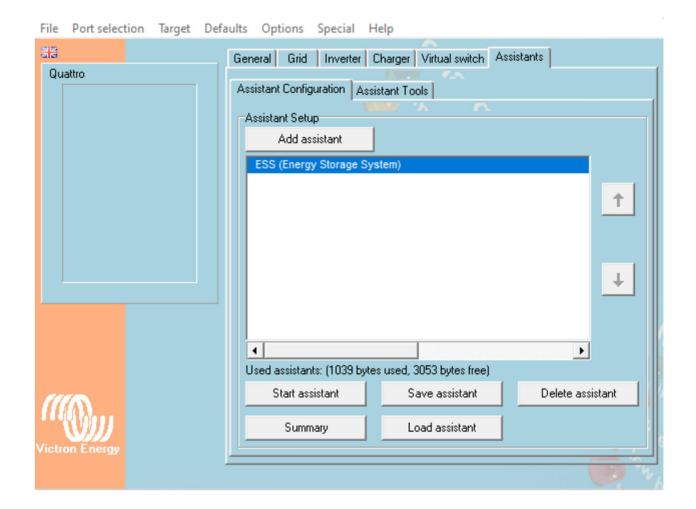




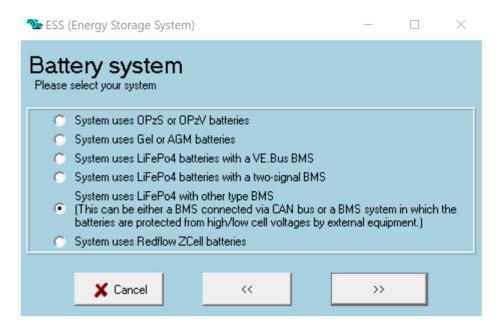


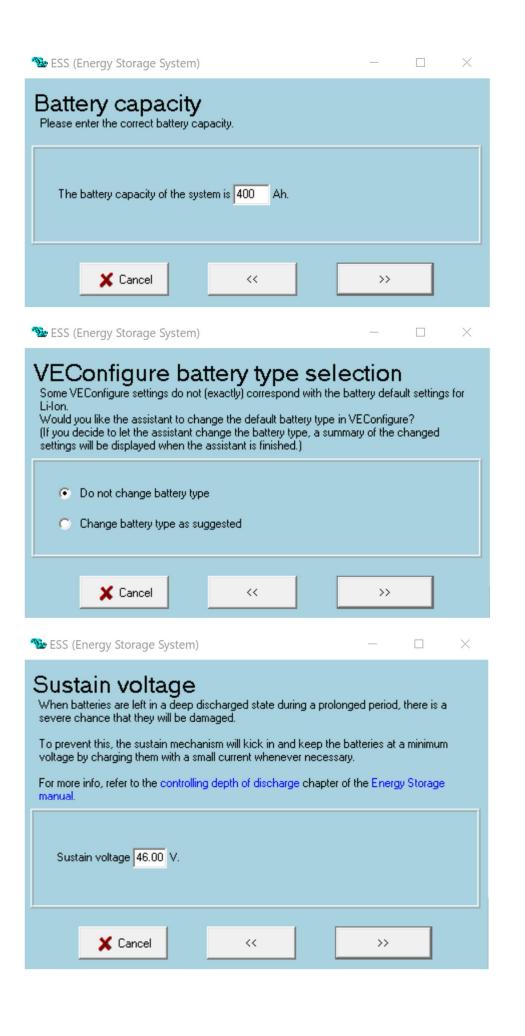


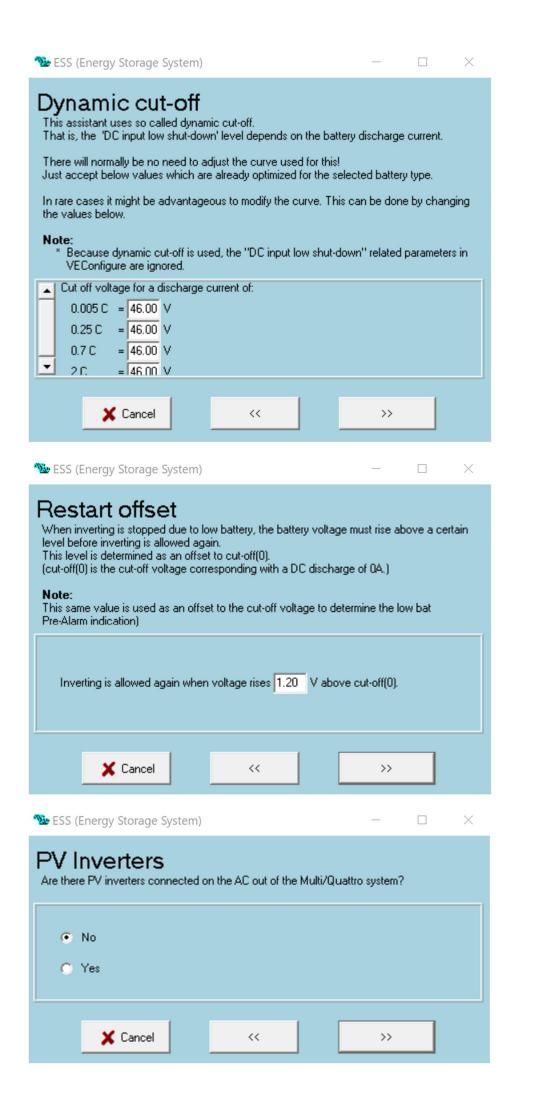




## **ESS Assistant Settings**







Some Key Screens and their settings from VRM Remote Console

