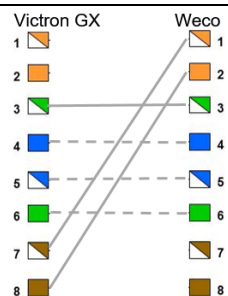


1 Pinbelegung Stecker  
Die Verbindung 4, 5 und 6 müssen nicht getrennt werden

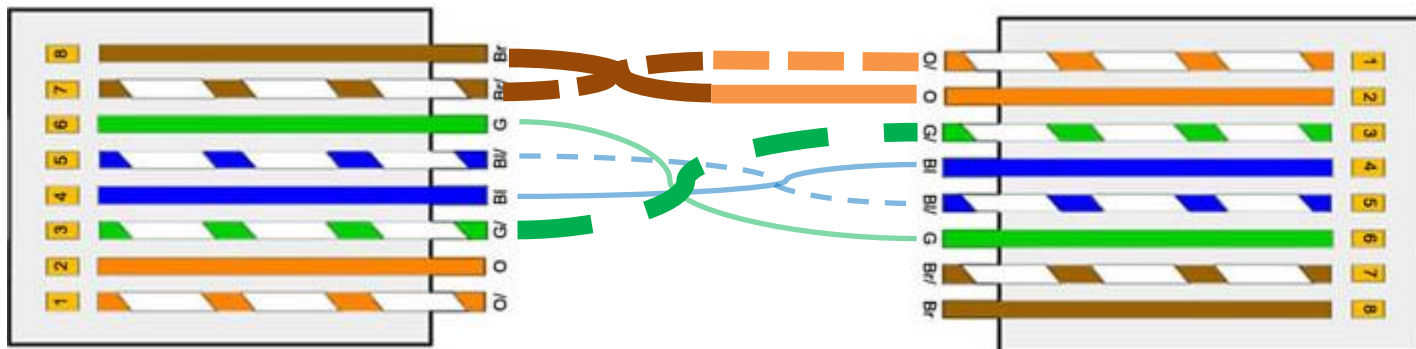
1 Pinning Connector Stecker  
Connection 4, 5 and 6 do not have to be disconnected

| Terminal | Inverter Side RJ45 | Battery Side RJ45 |
|----------|--------------------|-------------------|
| GND      | PIN 3              | PIN3              |
| CAN- L   | PIN 8              | PIN 2             |
| CAN -H-  | PIN 7              | PIN1              |



Victron

Weco



Wenn ein LAN-Kabel 568B verwendet wird, kann es in der Mitte getrennt werden. Folgende Verbindungen müssen dann wieder zusammengefügt werden

If a LAN cable 568B is used, it can be cut in the middle. The following connections must then be rejoined

1.1 Anschluß Cerbo an Weco 4K4 PRO

1.1 Connecting Cerbo at Weco 4K4 PRO



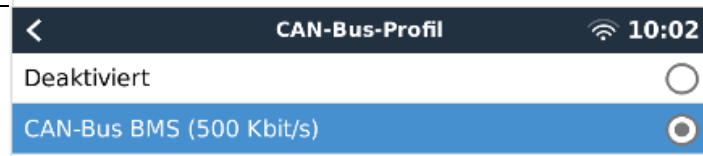
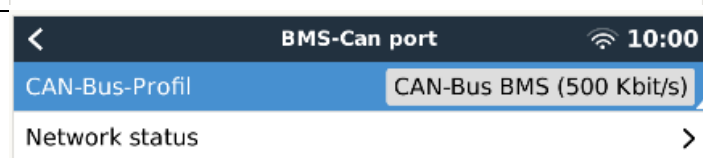
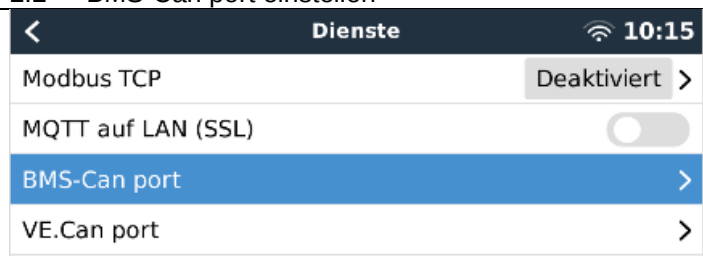


## 2 Einstellung VRM

### 2.1 Menü/Einstellungen/Dienste wählen

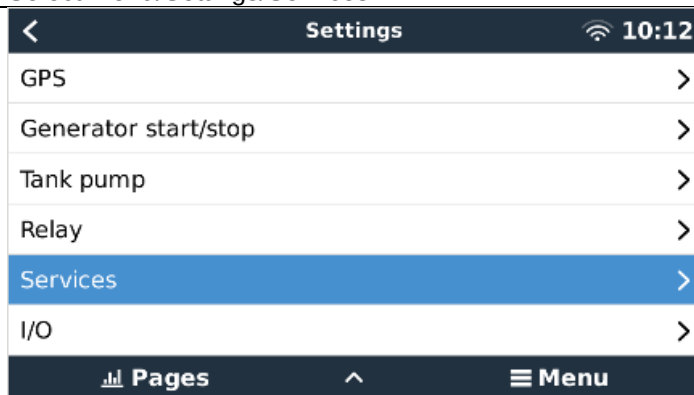


### 2.2 BMS-Can port einstellen

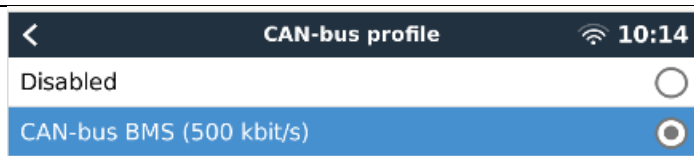
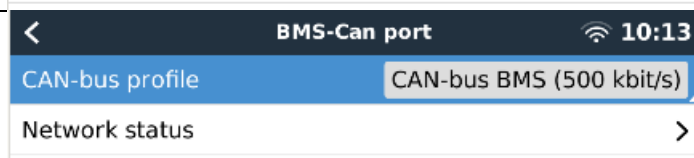
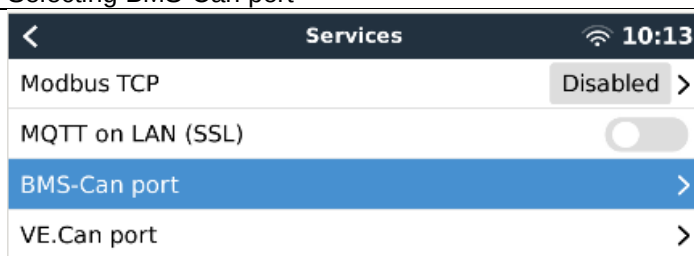


## Setting VRM

### Select Menu/Settings/Services



### Selecting BMS-Can port



### 2.3 Nach der Verbindung mit dem angepassten CAN-Kabel erscheint Weco in der Geräteliste

| Geräteliste <span>13:30</span>        |                   |
|---------------------------------------|-------------------|
| Grid meter                            | 8W >              |
| MultiPlus-II 48/5000/70-50            | Ext. Stg. >       |
| SmartSolar MPPT VE.Can 250/85 rev2    | 555W >            |
| WECO                                  | 27% 53.00V 6.2A > |
| Benachrichtigungen                    | >                 |
| Einstellungen                         | >                 |
| <span>Seiten</span> <span>Menü</span> |                   |

Ext. Stg. wenn Steuerung durch Batterie

### After connection with the adapted CAN cable, Weco appears in the device list

| Device List <span>14:34</span>       |                   |
|--------------------------------------|-------------------|
| Grid meter                           | 7W >              |
| MultiPlus-II 48/5000/70-50           | Ext. control >    |
| SmartSolar MPPT VE.Can 250/85 rev2   | 259W >            |
| WECO                                 | 27% 52.70V 0.9A > |
| Notifications                        | >                 |
| Settings                             | >                 |
| <span>Pages</span> <span>Menu</span> |                   |

Ext. control wenn Steuerung durch Batterie

### 2.4 Menü/Geräteliste/Weco wählen

| WECO <span>13:20</span>               |                          |
|---------------------------------------|--------------------------|
| Batterie                              | 53.70V 38.0A 2040W       |
| Ladezustand                           | 72%                      |
| Gesundheitszustand                    | 100%                     |
| Batterietemperatur                    | 14°C                     |
| Alarme                                | >                        |
| Verlauf                               | >                        |
| Gerät                                 | >                        |
| Parameter                             | >                        |
| Batterie neu ermitteln                | Zum Neuermitteln drücken |
| <span>Seiten</span> <span>Menü</span> |                          |

### Select Menu/DeviceList/Weco

| WECO <span>14:34</span>              |                   |
|--------------------------------------|-------------------|
| Battery                              | 52.70V 0.8A 42W   |
| State of charge                      | 27%               |
| State of health                      | 100%              |
| Battery temperature                  | 8°C               |
| Alarms                               | >                 |
| History                              | >                 |
| Device                               | >                 |
| Parameters                           | >                 |
| Redetect Battery                     | Press to redetect |
| <span>Pages</span> <span>Menu</span> |                   |

### 2.5 Menü/Geräteliste/Weco/Gerät wählen

| Gerät <span>14:15</span>              |         |
|---------------------------------------|---------|
| Verbunden                             | Ja      |
| Verbindung                            | CAN-bus |
| Produkt                               | WECO    |
| Name                                  |         |
| Produktkennung                        | B007    |
| Firmwareversion                       | v117.1  |
| VRM-Instanz                           | 512     |
| <span>Seiten</span> <span>Menü</span> |         |

### Select Menu/DeviceList/Weco/Device

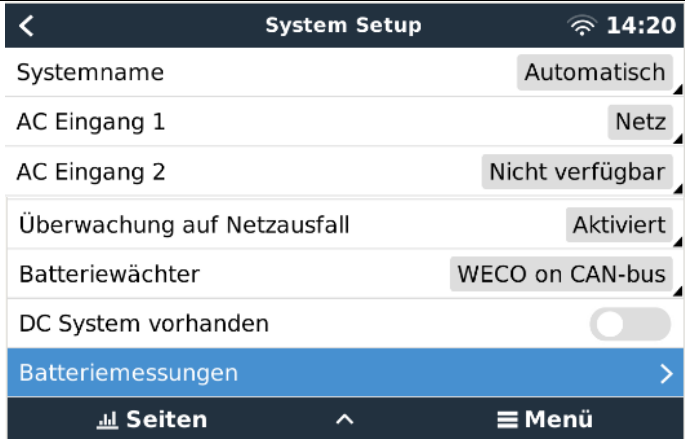
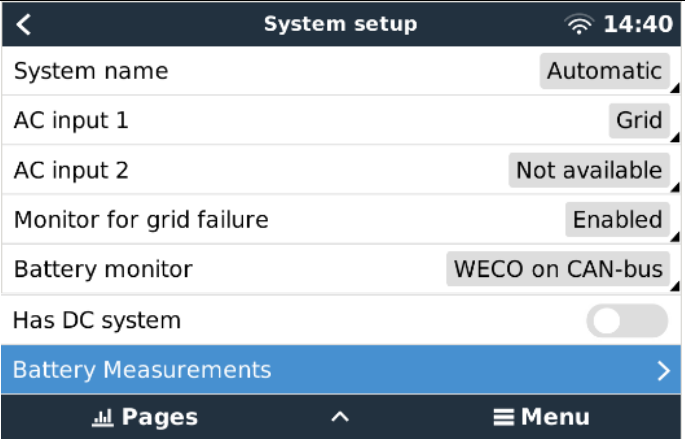
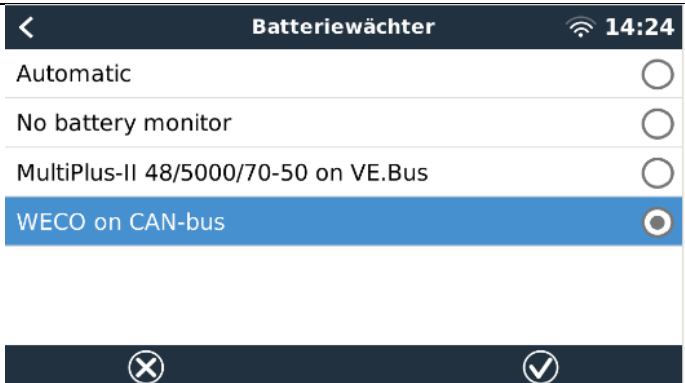
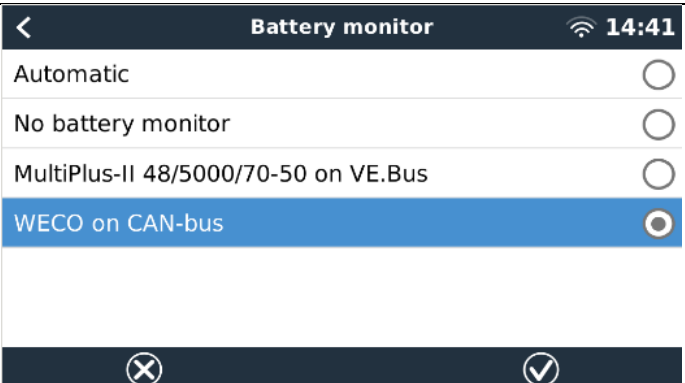
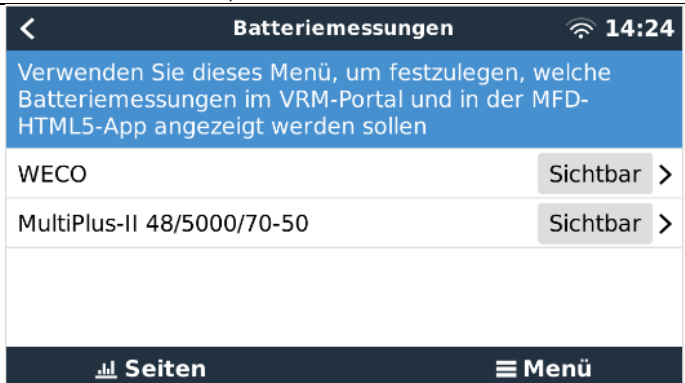
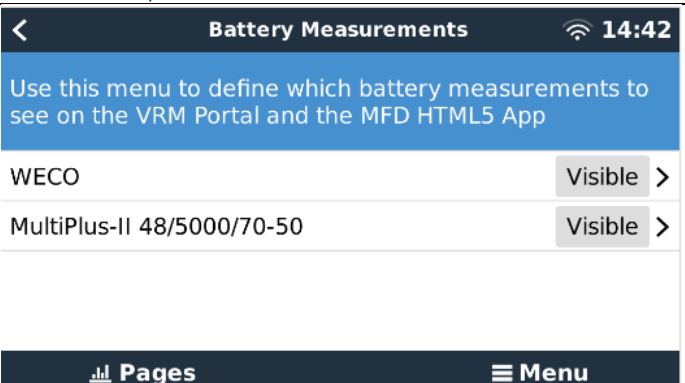
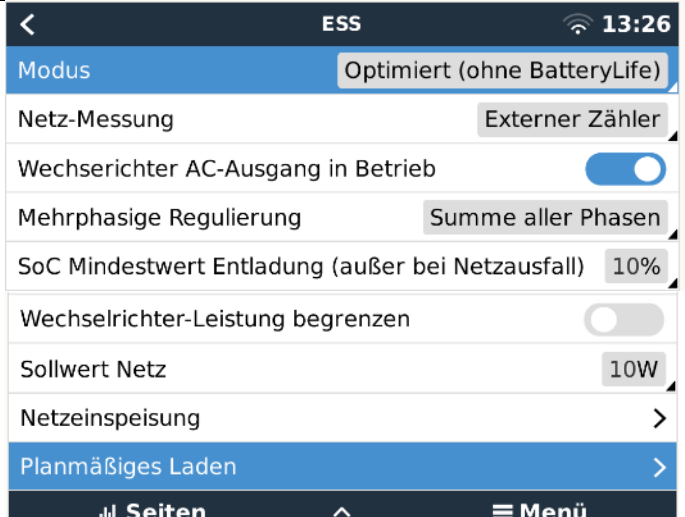
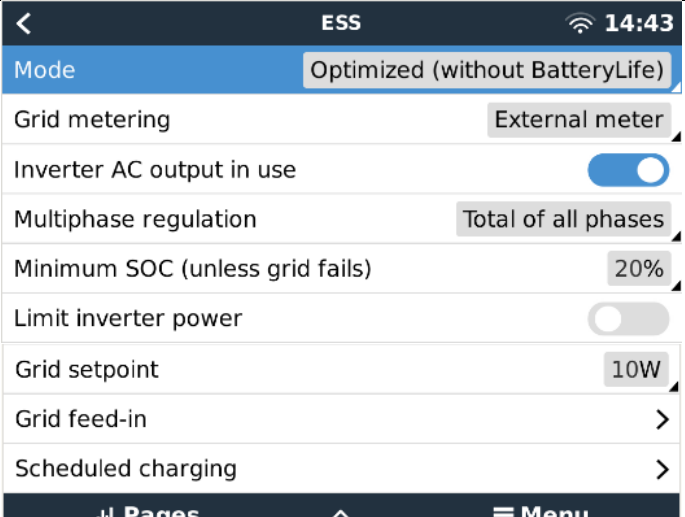
| Device <span>14:36</span>            |         |
|--------------------------------------|---------|
| Connected                            | Yes     |
| Connection                           | CAN-bus |
| Product                              | WECO    |
| Name                                 |         |
| Product ID                           | B007    |
| Firmware version                     | v117.1  |
| VRM instance                         | 512     |
| <span>Pages</span> <span>Menu</span> |         |

### 2.6 Menü/Geräteliste/Weco/Parameter wählen

| Parameter <span>13:21</span>          |        |
|---------------------------------------|--------|
| Ladespannung Grenzwert (CVL)          | 56.0V  |
| Ladestrombegrenzung (CCL)             | 258.0A |
| Entladestrombegrenzung (DCL)          | 258.0A |
| <span>Seiten</span> <span>Menü</span> |        |

### Select Menu/DeviceList/Weco/Parameters

| Parameters <span>14:37</span>        |        |
|--------------------------------------|--------|
| Charge Voltage Limit (CVL)           | 56.0V  |
| Charge Current Limit (CCL)           | 51.6A  |
| Discharge Current Limit (DCL)        | 258.0A |
| <span>Pages</span> <span>Menu</span> |        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.7 Menü/Einstellungen/SystemSetup wählen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Select Menu/Settings/SystemSetup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  <p>The screenshot shows the 'System Setup' menu. At the top, there's a back arrow, the title 'System Setup', and a signal icon with the time '14:20'. The menu items are: 'Systemname' (Automatic), 'AC Eingang 1' (Netz), 'AC Eingang 2' (Nicht verfügbar), 'Überwachung auf Netzausfall' (Aktiviert), 'Batteriewächter' (WECO on CAN-bus), and 'DC System vorhanden' (toggle off). The 'Batteriemessungen' item is highlighted in blue with a right arrow. At the bottom, there's a bar with 'Seiten', an up arrow, and 'Menü'.</p>                                                                                                             |  <p>The screenshot shows the 'System setup' menu. At the top, there's a back arrow, the title 'System setup', and a signal icon with the time '14:40'. The menu items are: 'System name' (Automatic), 'AC input 1' (Grid), 'AC input 2' (Not available), 'Monitor for grid failure' (Enabled), 'Battery monitor' (WECO on CAN-bus), and 'Has DC system' (toggle off). The 'Battery Measurements' item is highlighted in blue with a right arrow. At the bottom, there's a bar with 'Pages', an up arrow, and 'Menu'.</p>                                                           |
| 2.8 Menü/Einstellungen/SystemSetup/Batteriewächter wählen und WECO on CAN-Bus einstellen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Select Menu/Settings/SystemSetup/BatteryMonitor and choose WECO on CAN-Bus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  <p>The screenshot shows the 'Batteriewächter' menu. At the top, there's a back arrow, the title 'Batteriewächter', and a signal icon with the time '14:24'. The menu items are: 'Automatic' (radio button), 'No battery monitor' (radio button), 'MultiPlus-II 48/5000/70-50 on VE.Bus' (radio button), and 'WECO on CAN-bus' (radio button, highlighted in blue). At the bottom, there's a bar with a close icon (X) and a checkmark icon (✓).</p>                                                                                                                                                                                              |  <p>The screenshot shows the 'Battery monitor' menu. At the top, there's a back arrow, the title 'Battery monitor', and a signal icon with the time '14:41'. The menu items are: 'Automatic' (radio button), 'No battery monitor' (radio button), 'MultiPlus-II 48/5000/70-50 on VE.Bus' (radio button), and 'WECO on CAN-bus' (radio button, highlighted in blue). At the bottom, there's a bar with a close icon (X) and a checkmark icon (✓).</p>                                                                                                                              |
| 2.9 Menü/Einstellungen/SystemSetup/Batteriemessung wählen und ‚Sichtbar‘ im VRM definieren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Select Menu/Settings/SystemSetup/BatteryMeasurement and choose ‚visible‘ in VRM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|  <p>The screenshot shows the 'Batteriemessungen' menu. At the top, there's a back arrow, the title 'Batteriemessungen', and a signal icon with the time '14:24'. Below the title is a blue instruction bar: 'Verwenden Sie dieses Menü, um festzulegen, welche Batteriemessungen im VRM-Portal und in der MFD-HTML5-App angezeigt werden sollen'. The menu items are: 'WECO' (Sichtbar) and 'MultiPlus-II 48/5000/70-50' (Sichtbar), both with right arrows. At the bottom, there's a bar with 'Seiten' and 'Menü'.</p>                                                                                                                         |  <p>The screenshot shows the 'Battery Measurements' menu. At the top, there's a back arrow, the title 'Battery Measurements', and a signal icon with the time '14:42'. Below the title is a blue instruction bar: 'Use this menu to define which battery measurements to see on the VRM Portal and the MFD HTML5 App'. The menu items are: 'WECO' (Visible) and 'MultiPlus-II 48/5000/70-50' (Visible), both with right arrows. At the bottom, there's a bar with 'Pages' and 'Menu'.</p>                                                                                       |
| 2.10 Menü/Einstellungen/ESS wählen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Select Menu/Settings/ESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|  <p>The screenshot shows the 'ESS' menu. At the top, there's a back arrow, the title 'ESS', and a signal icon with the time '13:26'. The menu items are: 'Modus' (Optimiert (ohne BatteryLife)), 'Netz-Messung' (Externer Zähler), 'Wechserichter AC-Ausgang in Betrieb' (toggle on), 'Mehrphasige Regulierung' (Summe aller Phasen), 'SoC Mindestwert Entladung (außer bei Netzausfall)' (10%), 'Wechselrichter-Leistung begrenzen' (toggle off), 'Sollwert Netz' (10W), 'Netzeinspeisung' (right arrow), and 'Planmäßiges Laden' (right arrow, highlighted in blue). At the bottom, there's a bar with 'Seiten', an up arrow, and 'Menü'.</p> |  <p>The screenshot shows the 'ESS' menu. At the top, there's a back arrow, the title 'ESS', and a signal icon with the time '14:43'. The menu items are: 'Mode' (Optimized (without BatteryLife)), 'Grid metering' (External meter), 'Inverter AC output in use' (toggle on), 'Multiphase regulation' (Total of all phases), 'Minimum SOC (unless grid fails)' (20%), 'Limit inverter power' (toggle off), 'Grid setpoint' (10W), 'Grid feed-in' (right arrow), and 'Scheduled charging' (right arrow). At the bottom, there's a bar with 'Pages', an up arrow, and 'Menu'.</p> |

2.11 Menü/Einstellungen/ESS/Modus wählen  
Wenn auf „Externe Steuerung“ eingestellt, dann schalten Batterie und Laderegler ab.  
Nach dem Zurückstellen auf „Optimiert“ schalten beide wieder zu.

Select Menu/Settings/ESS/Mode  
If set to "External control", the battery and charge controller switch off.  
After resetting to "Optimised", both switch on again.

2.12 Menü/Einstellungen/ESS/DVCC wählen

Select Menu/Settings/ESS/DVCC

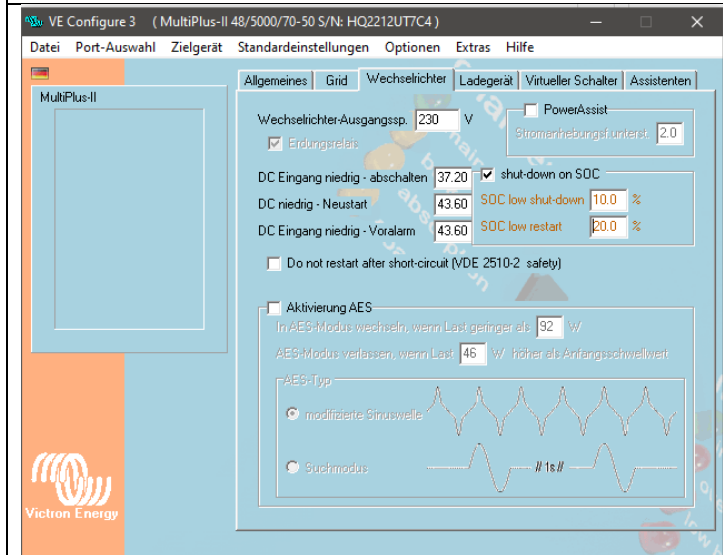
2.13 Sustain Spannung

Sustain Spannung

2.14 Die Dynamische Abschaltung muß geändert werden, wenn die Batterie tiefer entladen werden soll

Dynamic cut-off must be changed if the battery is to be discharged deeper

## 2.15 Alternativ versuchen wie sich die Abschaltung mit SOC auswirkt



## Alternatively, try how the shutdown affects with SOC

