DRAFT: Victron & Exide

The combination of Victron products with the Exide battery has been tested and certified by the R&D departments. The combination is actively supported by both companies.

Compatible models:

- LIBM0480050-G01 as of firmware v1.10

1. Introduction

1.1 Compatible Victron products

All 48V Multis and Quattros. And always a GX device is necessary in the system, since that has the canbus port which is used for the (required!) communication between the ESS battery and the Victron system.

1.2 Notes

1.3 System diagram

2. GX device needed

To use the Exide ESS in Victron system, it is necessary to use a Color Control GX or Venus GX. On first commissioning an external power supply (Not the 48V from the Exide-Battery) is needed. The GX device sends a keep alive signal to the Exide ESS via canbus. This will only be send once the canbus baud rate is changed (see 5. GX device Configuration). Without it, the battery will have a communication fault and shut down after 10sec.

3. Wiring of communication cables

Use the *VE.Can to CAN-bus BMS type B Cable*, part number ASS030720018. Plug the side which is labeled Battery BMS into the Exide BMS. Plug the side labeled Victron VE.Can into the GX device.

Then, plug a VE.Can terminator in the other VE.Can socket on the GX device. Two VE.Can terminators are included with the package of the GX device as an accessory, only one is used. Keep the other one as a spare.

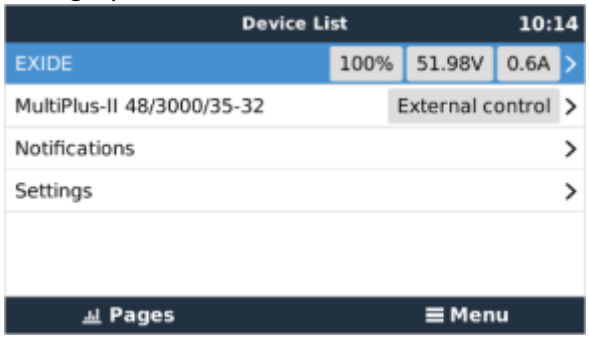
More information about the cable can be found in its manual.

Without properly connecting this cable, the battery will stop charging/discharging after several minutes. Also, the battery will not show up on the display of the GX device.

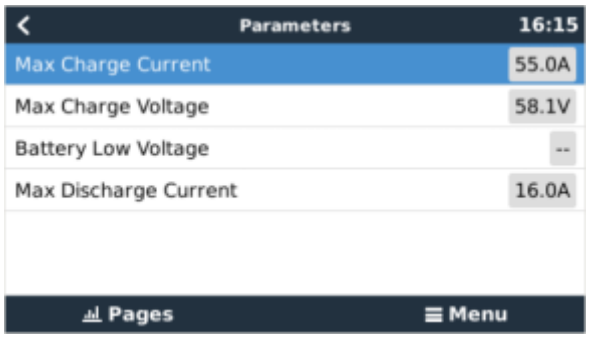
4. VEConfigure settings

5. GX device Configuration

- Select the *CAN-bus BMS (500 kbits/s)* CAN-profile in the GX device. Menu path: *Settings* → *Services* → *CAN-profile*. Note that this changes the function of a VE.Can port: it is not possible to connect both VE.Can products and an Exide battery together on a Color Control GX. It is possible on the Venus GX.
- After properly wiring and setting up, the Exide ESS will be visible as a battery in the device list:



- The parameters option within the battery page shows the actual battery charge and discharge limits:



From:
https://www.victronenergy.com/live/ - **Victron Energy**

Permanent link:
https://www.victronenergy.com/live/battery_compatibility:exide?rev=1658139210

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