

VE.Can to CAN-bus BMS cables manual

Use these VE.Can to CAN-bus cables to connect a CAN-bus enabled battery to a GX device.

1. Selecting the right cable

ASS030710018 - VE.Can to CAN-bus BMS type A Cable 1.8m

- BYD B-Box
- Pylontech US2000C/US3000C/UP5000/Force-L

ASS030720018 - VE.Can to CAN-bus BMS type B Cable 1.8m

- LG Chem Resu
- AXIstorage
- BMZ
- Pylontech US2000/US3000/UP2500
- Solar MD BMS EX

2. Installation

The side labeled 'CAN-bus BMS' plugs into the battery. The other side, labeled 'VE.Can' must be plugged into either the VE.Can port of the GX device, or the BMS-Can port.

Both port types (VE.Can and BMS-Can) on a GX Device can be configured for use with a CAN-bus BMS connected third party battery.

For configuration, see the manual specific to the brand of battery you are using.

3. Pin-out

In some cases it might be needed to make the cable at the location. Find below the pin-outs. Make sure to very carefully test the cable after crimping it. Self-made cables are very often the causes of very hard to diagnose problems.

3.1 Type A

| Function | Victron VE.Can side | Battery side |
|----------|---------------------|--------------|
| GND | Pin 3 | Pin 6 |
| CAN-L | Pin 8 | Pin 5 |
| CAN-H | Pin 7 | Pin 4 |

3.2 Type B

| Function | Victron VE.Can side | Battery side |
|----------|---------------------|--------------|
| GND | Pin 3 | Pin 2 |
| CAN-L | Pin 8 | Pin 5 |
| CAN-H | Pin 7 | Pin 4 |