

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/Force-L

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

- LG Chem Resu
- AXIstorage
- BMZ
- Pylontech US2000/US3000/UP2500

2. Installation

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

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 |

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

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