

# VE.Can to CAN-bus BMS cables manual

## 1. Introduction

Use this cable to connect a CAN-bus enabled battery to a Victron system.

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 Venus-device.

There are two types, each with different pinning. Some brands of batteries require a Type A. Other brands require the Type B cable.

Type A compatible batteries:

- BYD B-Box

Type B compatible batteries:

- LG Chem Resu
- AXIstorage
- BMZ
- Pylontech

## 2. 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.

### 2.1 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        |

### 2.2 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        |

# DISQUS

~~DISQUS~~

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

Permanent link: [https://www.victronenergy.com/live/battery\\_compatibility:can-bus\\_bms-cable?rev=1513182679](https://www.victronenergy.com/live/battery_compatibility:can-bus_bms-cable?rev=1513182679)

Last update: **2017-12-13 17:31**

