

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

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

