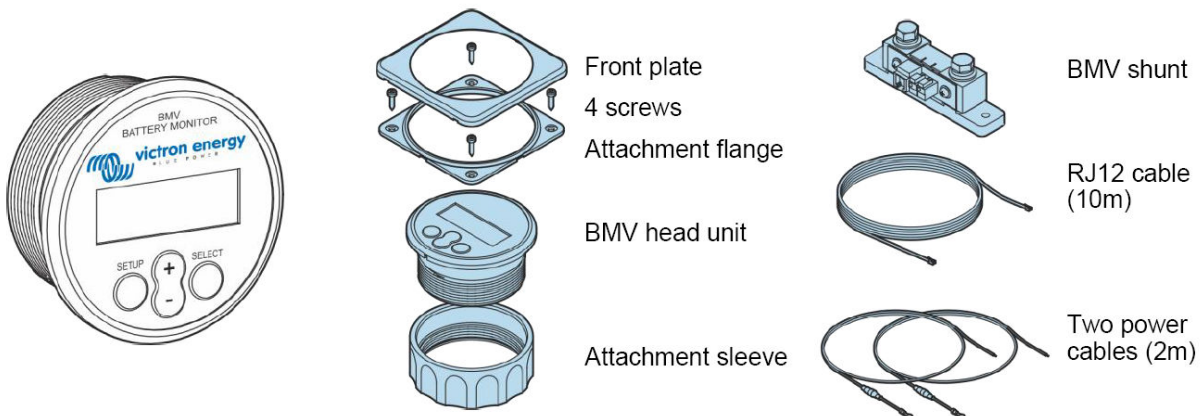


Battery safety warnings

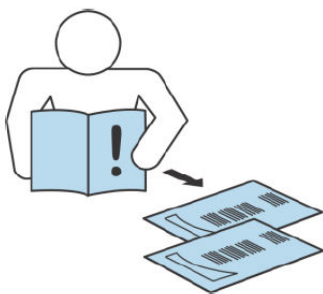


- Working near batteries, including lead-acid and lithium types, is hazardous.
- Lead-acid batteries can emit explosive gases. Do not smoke or create sparks or flames nearby. Ensure adequate ventilation.
- Lithium batteries do not emit gases during normal use, but can deliver very high short-circuit currents and may pose a fire risk if damaged or incorrectly installed.
- Wear eye protection and suitable clothing. Wash hands after working with batteries.
- If lead-acid electrolyte contacts skin or clothing, wash immediately with soap and water. If it gets into the eyes, rinse with running water for at least 15 minutes and seek medical attention immediately.
- Avoid dropping metal tools onto battery terminals. Remove rings, watches and other metal items before working on a battery. A battery can deliver a short-circuit current high enough to melt metal, causing severe burns.
- Disconnect the negative battery terminal before installation.

BMV-702 Battery monitor contents



Full manual available online

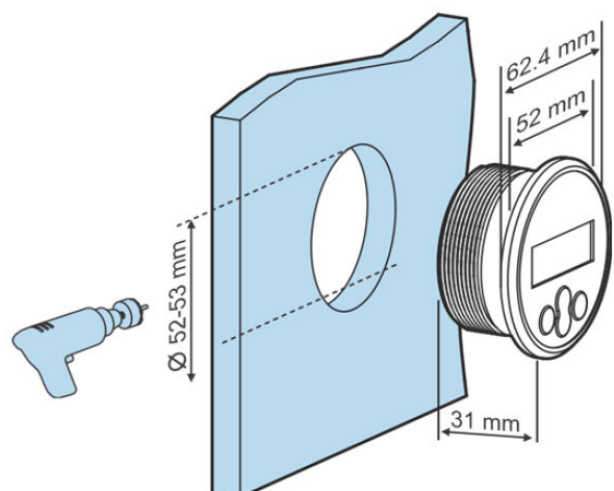


BMV702 product page

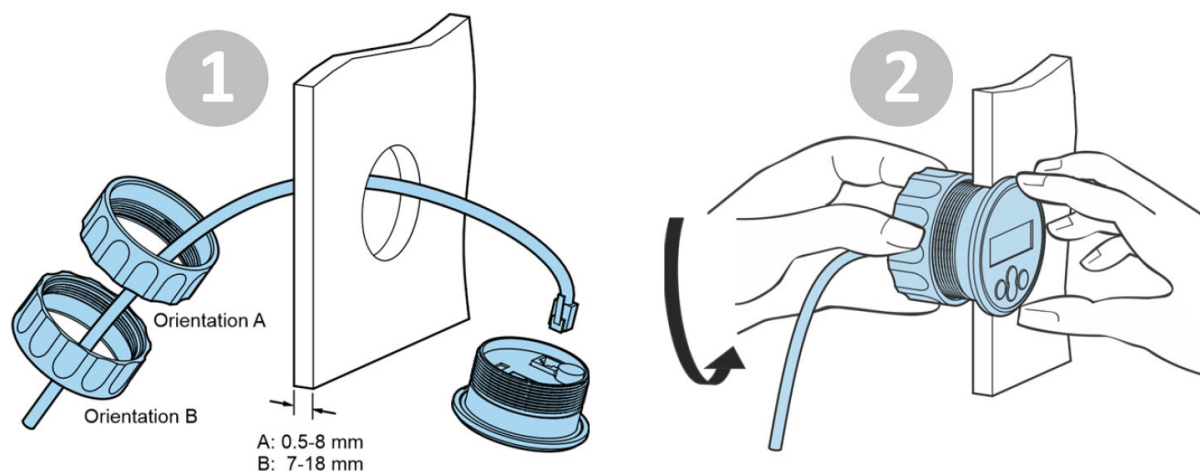


<https://ve3.nl/6v>

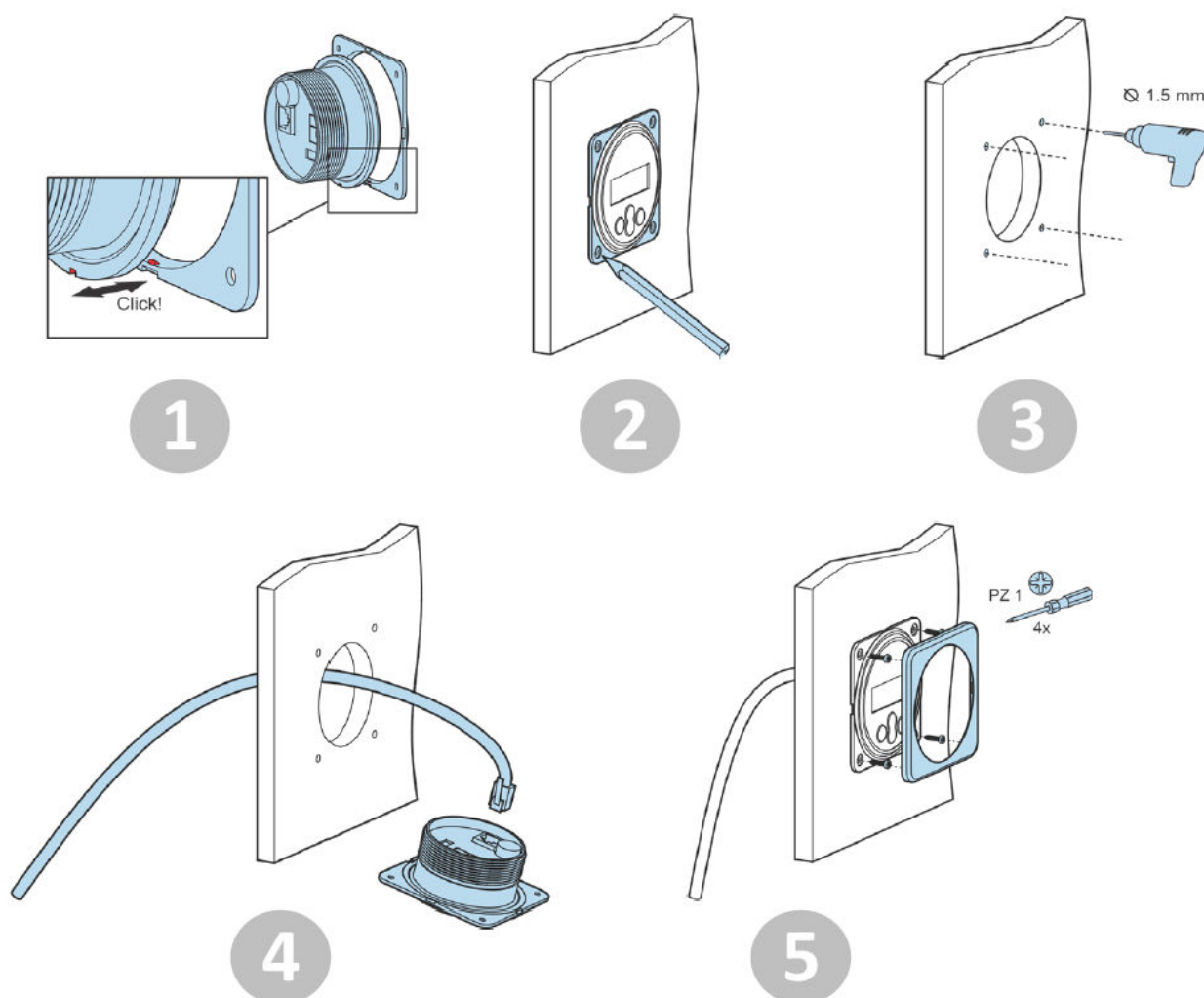
Mounting dimensions



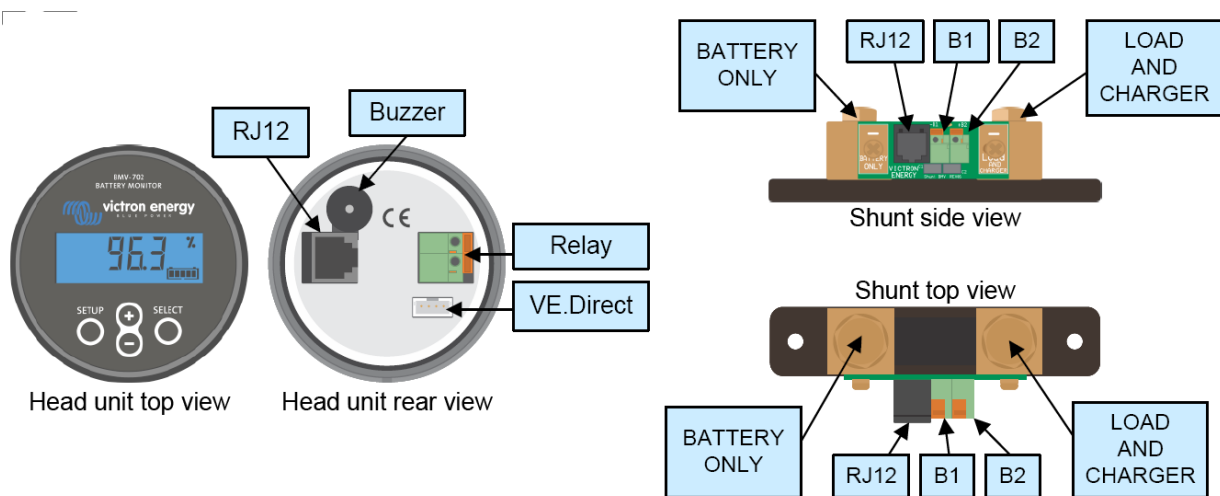
Mounting option A



Mounting option B

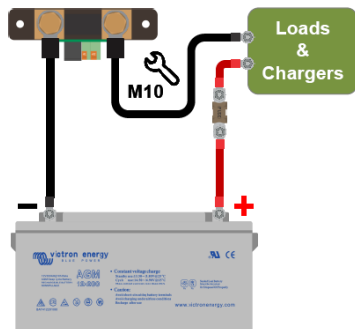


Connections overview



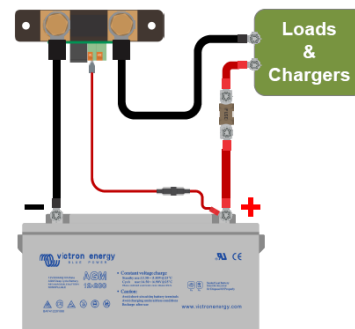
Battery and system negative connection

- Connect the negative battery terminal to BMV-702 'BATTERY ONLY' terminal.
- Connect the negative terminal of the DC electrical system to BMV-702 'LOAD AND CHARGER' terminal.



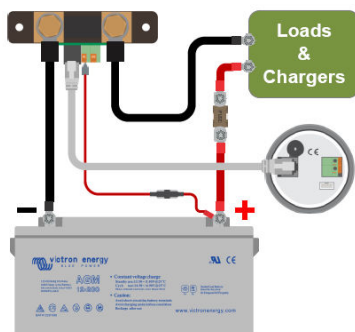
Power cable connection

- Connect the power cable between the positive battery terminal and the BMV-702 B1 terminal.



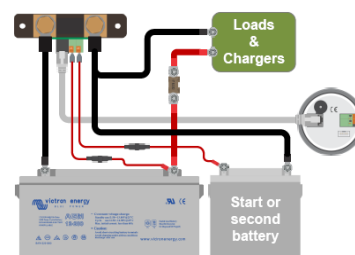
Head unit connection

- Connect the RJ12 UTP cable between the RJ12 terminals of the shunt and the head unit.



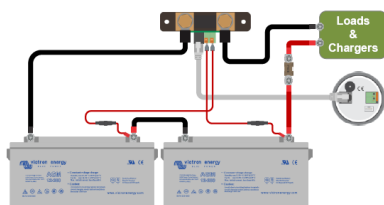
Monitoring voltage of a second battery

- Connect the power cable between the positive terminal of the secondary battery and the BMV-702 B2 terminal.
- Connect the negative of the second battery to the BMV-702 'LOAD AND CHARGER' terminal.



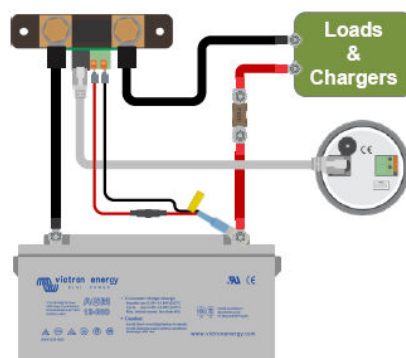
Monitoring midpoint of a battery bank

- Connect one of the red power cables between the battery bank midpoint and the BMV-702 B2 terminal.



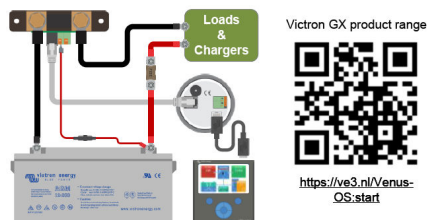
Monitoring battery temperature

- Do not use the supplied red power cables. Use a (not included) "Temperature sensor for BMV". For more info, scan below QR code or navigate to: <https://ve3.nl/53>. For additional instructions consult the BMV-702 manual.
- Connect the red sensor wire to the B1 terminal.
- Connect the black sensor wire to the B2 terminal.
- Connect the temperature sensor to the positive terminal of the battery.



Connecting to a GX device

- Connect a VE.Direct cable ASS03053XXXX (not included) between the VE.Direct ports of the BMV-702 and the GX device.
- For an overview of all GX devices scan below QR code or navigate to: <https://ve3.nl/Venus-OS:start>.



VictronConnect

- Connect the (not included) VE.Direct Bluetooth Smart Dongle ASS030536011 to the VE.Direct port of the BMV-702 or connect the (not included) VE.Direct to USB Interface ASS030530010 between the BMV-702 VE.Direct port and the USB port of a computer.
- Download the VictronConnect app. For more information about the VictronConnect app, navigate to: <https://ve3.nl/6z>
- Connect with the VictronConnect app to the BMV-702.



Make essential settings

- Set battery capacity:** Press any button. Use + and - to adjust the value of the first digit. Press select to go to the next digit. Repeat until all digits have been entered. Press 'Select' to store the setting. Press 'Setup' to proceed.
- Set auxiliary input function:** Press 'Select'. Use + and - to choose from 'None', 'Start', 'Temp' or 'Mid'. Press 'Select'.

Make battery specific settings

- Press 'Setup' for two seconds to enter the settings menu. Use + and - to scroll through the menu. Press 'Select' to change a setting. Use + and - to adjust the setting. Press 'Setup' to return to the settings menu.
- Set charged voltage:** Set as per the table below.

Nominal batt. voltage	Lithium	Lead-acid
12V	13.9V	14.0V
24V	27.8V	28.0V
36V	41.7V	42.0V
48V	55.6V	56.0V

- Set charge efficiency:** Set it to 98% for lithium, 95% for lead-acid.
- Set Peukert exponent:** Set it to 1.01 for lithium, 1.25 for lead-acid.