



# Battery monitoring system 130 kWh

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Victron Energy have a comprehensive range of Battery Monitors, Battery Balancers, BMS and Shunt options, plus a wide variety of panel and system monitoring solutions (local & remote) such as the Victron GX product range for example.

Added to all this is the free and ever popular VictronConnect app, plus the VRM Portal (also free) &#8211; where device monitoring, product configuration, firmware updates and data can all come together.

The BMV range consists of products with BMV-7 in the model name; earlier versions had a 6 prefix. Below I highlight the differences between the various current models &#8211; so you can be sure you choose the right one for your application and budget. The range consists of:

Each model comes with a square bezel overlay (if you wish a square gauge look as opposed to round), a securing ring for rear mounting and screws for front mounting.

A 500A/50mV shunt, fitted with a quick connect PCB is part of every product package. Alternatives shunts are available if required: 1000A-50mV, 2000A-50mV, 6000A-50mV.

Note that although the BMV-702, BMV-702 (Black), BMV-700 and BMV-700H do not have Smart Technology built-in, they can all be updated to use it with the optional VE.Direct to Bluetooth Smart dongle. The only downside is that means the VE.Direct communication port is now in use for the dongle, so you cannot connect it to a Victron GX device as well.

If you want Victron Smart Technology and GX device connectivity, then buy the BMV-712 Smart. If you don't need the added functionality of the 712 Smart or are on a budget, then choose one of the other models to suit your needs.

The \*\*2 in the product name refers to the fact this product features a second input which can be programmed to measure the voltage (of a second battery), or battery temperature, or midpoint voltage.

The 702 has the same features as the 700 but in addition (just like the 712 Smart) it has an auxiliary input. This can be used to measure the voltage of a second battery, or temperature using the temperature accessory, or midpoint voltage.

These are just some of the accessories and BMV related products that are key to battery monitoring and the good maintenance of your batteries. Others such as the GX GSM modem and the Smart Battery Sense can be found on the comprehensive accessories page.



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Oh! and if you've read this far that includes (for the tinkerers amongst you) an option to join a Beta programme and also experiment with the GX range of open source software. Start here if that appeals to you.

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