

# Victron BMV-700 Battery Monitor



## Description

The Victron BM-700 Battery Monitor connects to the [Battery Bank](#) via a shunt to calculate Ampere Hours and the State of Charge (SoC) of the batteries from in/out current flow.

Additionally the Victron BMV-700 connects to the [Server](#) to supply it with accurate battery data.

The Victron BMV-700 is a component of the [Energy Monitoring](#) system. It is mounted beside the [Inverter](#) in the [Container](#).

**Make:** Victron Energy

**Model:** BMV-700

**Serial number:** HQ1720PHRTB, 700

## Documentation

[Data Communications Whitepaper](#)

[Datasheet](#)

[Manual](#)

[Quick Install Guide](#)

[Battery Monitor Diagram \(Visio\)](#)

## Diagrams



## Processes and Procedures

[Electricity Usage](#)

[Energy System Season Change Procedure](#)

## Installation Date

2018-06-04

## Maintenance Log

[Battery Monitor Log](#)

## Support

Contact	Description	E-mail	Landline	Cellphone
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Steve McMechan	Hitek systems, supplier	steve@hiteksystems.co.nz		027 4711 771

## Systems

The Victron BMV-700 Battery Monitor is a component of the [Energy Monitoring System](#).

## Associated Components

[Batteries, Server](#)

## Notes

For the Battery Monitor to attain strict accuracy the Battery Bank must be at 100% full at some point. If the Battery Monitor is unplugged for any reason its readings will only be indicative until the batteries reach 100%, for instance after a long sunny day of little electricity consumption.

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