



# Blue nova lifepo4

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The BlueNova Energy () range of Lithium Iron Phosphate batteries is compatible with Victron products in various systems.

Victron + BlueNova Energy can be used for the following systems

When used with BlueNova Energy Batteries the minimum firmware version for the GX device is v2.02. It is recommended to always use the latest Firmware version for the GX device.

When the BlueNova Energy battery is installed in a Victron ESS installation, which is the best solution for Energy Storage Systems, there is no need for additional control wiring. For other systems, such as off-grid systems and backup systems, the internal BMS controls will control deep discharge and overcharge conditions. Please contact BlueNova Energy for more information. For more Victron-related settings see the VEConfigure section below

The BlueNova Energy range is supplied with a BMS as standard on all current models of batteries . See the BlueNova Energy product page for more details on the various options.

Plug the GX device side of the cable into one of the VE.Can sockets on the back of the GX device or "BMS Can" . Plug the other end into the battery at one of the RJ45 CANbus ports. A VE.Can terminator is not necessary for the other VE.Can socket on the GX device.( This is applicable for the BlueNova Energy "SSS" range of batteries. The RacPower( BP & DU )range of BlueNova Energy batteries need to have CANbus terminations done, supplied as per each RacPower unitFor BlueNova Energy RacPower batteries(latest "DU" and "BP" models) with CANbus and RS485, please contact BlueNova Energy Technical Support for correct interlink comms cable configurations, especially where a BlueNova Energy BMAC Online units is present.

Without properly connecting this cable, the battery will stop charging/discharging after several minutes. Also, the battery will not show up on the Menu/display of the GX device.

To view more information on the RacPower BP, see User Manual [here](#).

To view more information on the RacPower DU, see User Manual [here](#).

In most cases nothing needs changing: new Blue Nova Energy batteries come with 500kbps CAN-bus speed as default; which matches the default configuration of all BMS-Can ports on the Victron GX devices. Note that the BMS-Can port is not the same as the VE.Can port.

In case a setting does need changing, such as setting a different baud rate or configuring a VE.Can port to be

used for BMS-Can instead, use the menu path Settings -> Services -> CAN-profile.

All BlueNova Energy products can work with either 250kbps or 500kbps. On the older batteries this mean installing new firmware and on the new batteries this is selectable on the user interface on the battery. The default baud rate on newly delivered BlueNova Energy batteries 500kbps.

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