# Victron & ZYC Energy




## 1. Product & System compatibility

### 1.1 A GX device is required, eg Cerbo GX, etc

It is essential to use the BMS-Can (or CAN-bus) connection of a GX device with these batteries for communication of charge and discharge limits, error codes and state of charge. This is set to 500 kbit/s.

It is recommended to use the latest firmware version on new installations and when trouble shooting issues.

### 1.2 All 48V Multis, MultiPlus, Quattros and RS models are compatible

The minimum supported firmware version for VE.Bus models is 469. Minimum supported firmware for RS models is 1.16. Updating to the latest firmware is recommended for new installations, and troubleshooting issues.

These inverter/charger units must be connected to the GX device via the VE.Bus connection port.

In grid connected systems, advanced control functions are configurable in the ESS settings on the GX device.

In off-grid systems, the control functions of the Battery Management System (BMS) are built into the latest version of the GX device.

### 1.3 Solar Charger compatibility

All 48V BlueSolar and SmartSolar MPPT Chargers are compatible.

Some of our Solar Chargers feature a VE.Direct communication port, some feature a VE.Can communication port, and some feature both. Both of these types of communication ports can be used to connect the Solar charger to the GX Device. Such connection is mandatory, because it is used to regulate charge currents and voltages.

When planning to use the VE.Can communications port to connect the Solar Charger(s), make sure to select a GX Device that has sufficient CAN-Bus ports. The Color Control GX has only one such port, its VE.Can port, and is therefor not suitable. All other GX Devices can be used, since they have two ports. One can then be used to connect the battery, and the other to connect the Solar Charger.

# 2. Minimum battery sizing

| . | Single Phase | Single Phase | Three Phase | Three Phase |
|---|---|---|---|---|
| Inverter/Charger | On-grid | Off-grid | On-grid | Off-grid |
| Multiplus 48/500/6 | 1 | 1 | 1 | 1 |
| Multiplus 48/800/9 | 1 | 1 | 1 | 1 |
| Multiplus 48/1200/13 | 1 | 1 | 1 | 1 |
| Multiplus 48/1600/20 | 1 | 1 | 1 | 2 |
| Multiplus 48/2000/25 | 1 | 1 | 1 | 2 |
| Multiplus 48/2000/25-50 120V | 1 | 1 | 1 | 2 |
| Multiplus 48/3000/35 | 1 | 1 | 2 | 3 |
| Multiplus 48/5000/70 | 1 | 2 | 2 | 4 |
| Multiplus II (GX) 48/3000/35-32 | 1 | 1 | 1 | 3 |
| Multiplus II (GX) 48/5000/70-50 | 1 | 2 | 2 | 4 |
| Multiplus II 120V 48/3000/35-50 | 1 | 2 | 1 | 3 |
| Multiplus II 120V 48/5000/70-95 | 1 | 2 | 2 | 4 |
| Multiplus II 48/3000/35-32 | 1 | 1 | 1 | 3 |
| Multiplus II 48/5000/70-50 | 1 | 2 | 2 | 4 |
| Multiplus II 48/8000/110-100 | 1 | 3 | 3 | 7 |
| Multiplus II 48/10000/140-100 | 2 | 3 | 3 | 8 |
| Multiplus II 48/15000/200-100 | 2 | 4 | 4 | 12 |
| Quattro 48/3000/35-50/50 120V | 1 | 1 | 2 | 3 |
| Quattro 48/5000/70-100/100 120V | 1 | 2 | 2 | 4 |
| Quattro 48/10000/140-100/100 120V | 2 | 3 | 3 | 8 |
| Quattro 48/5000/70-100/100 | 1 | 2 | 2 | 4 |
| Quattro 48/8000/110-100/100 | 1 | 3 | 2 | 7 |
| Quattro 48/10000/140- 100/100 | 2 | 3 | 4 | 8 |
| Quattro 48/15000/200- 100/100 | 2 | 4 | 4 | 12 |
| Quattro 48/15000/200- 100/100 277V | 2 | 4 | 4 | 12 |
| Quattro II 48/5000/70-50 | 1 | 2 | 2 | 4 |
| RS Smart Solar 48/6000 | 1 | 2 | 2 | 4 |
| Multi RS Solar 48/6000 | 1 | 2 | 2 | 4 |
| Multi RS Solar 48/6000 Dual Tracker | 1 | 2 | 2 | 4 |
| Easysolar II 48/3000/35-32 MPPT 250/70 GX | 1 | 1 | 2 | 3 |

| | | | | |
|---|---|---|---|---|
| Easysolar II 48/5000/70-50 MPPT 250/100 GX | 1 | 2 | 2 | 4 |

# 3. Further system integration documentation

A QuickStart guide with further details about installation and configuration is available from ZYC Energy here.

Their product manual contains further information here.

# 3. Installation Video




# 4. Support

Support for this battery should first come from your ZYC Energy supplier.

Support from Victron is limited our online Victron Community page.

From:
https://www.victronenergy.com/live/ - **Victron Energy**

Permanent link:
**https://www.victronenergy.com/live/battery_compatibility:zyc_energy?rev=1729145914**

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