



IMPORTANT INFORMATION!
Victor Lithium NG Batteries charge & discharge controlled by BMS NG & CERBO in systems with Victor Lithium NG Batteries, it's important that all charging devices as well as loads are controlled by the BMS NG (also in Parallel). Here is how that is taken care of in this system:
1 - MultiPlus inverter/charger: digitally via the GX Device, DVCC feature.
2 - SmartSolar charge controllers: digitally via the GX Device, DVCC feature.
3 - ZEUS alternator regulators: digitally via the GX Device, DVCC feature.
4 - ZEUS alternator regulators: when VE.Can fails, one can use the positive wire from the ATC contact of the BMS NG also running through its relay contacts further towards the ZEUS regulators enable ATC connections, forcing the regulators with alternators to stop charging completely when the ATC signal is switched off. (On recommendation from Arco Marine)
5 - DC Loads: via ATD power towards SmartBattery Protect 220 one & two.
6 - AC Loads: controlled together with the MultiPlus Inverter/Charger.

IMPORTANT INFORMATION!
The SmartBatteryProtects must be programmed for Li-Ion mode-C and 24 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet.

IMPORTANT INFORMATION!
The Cerbo tank level ports can be configured to work with either European (0-100 Ohm), or US tank senders (240-30 Ohm) standards. Or one can configure a custom Ohm resistance range between 0 Ohm and 300 Ohm. This requires firmware v2.80 or higher.

IMPORTANT INFORMATION!
Please note that Alternator specifications can change! Check to make sure that the fuse size for the ALT V+ (A/B) wire and the ALT Field (F) wire and wire sizes are correct.

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IMPORTANT INFORMATION!
For proper functioning with Victor equipment install Venus OS Firmware v4.14 or higher into the CERBO. The alternator shunt is required to work with DVCC. The ZEUS regulator needs to be configured for use with the Victor Lynx Smart BMS NG and Victor NG Li batteries. Go to ARCOMARINE.COM/ZEUS and download the APP to make all necessary settings. For questions and trouble shooting, contact ARCO Marine at ARCOMARINE.COM to help you further.

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IMPORTANT INFORMATION!
To comply with ABYC E-11, each cable towards the MultiPlus need to be able to carry the entire load per cable!

IMPORTANT INFORMATION!
Recommended AC Out-2 cable/breaker size MultiPlus
AC Out-2 only is available when power is present on AC IN. During battery operation it will be disconnected. An Earth leakage device with breaker or a combination MCB/RCD must be installed on the output. Cable size must be adjusted accordingly.

IMPORTANT INFORMATION!
Recommended DC cable/breaker size MultiPlus
0-5m cable length: 4 x 50Sqm 5-10m cable length: 4 x 95Sqm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery and the MultiPlus. Recommendations are without other loads in the system and these also should be taken into account for proper main battery, main fuse & main switch cables! Fuse size should be 1 x 400A.

IMPORTANT INFORMATION!
When operating in inverter mode, the Neutral output of inverter charger must be connected to ground to guarantee proper functioning of a GFCI or RCD device. In case of a split phase supply the Neutral also must be grounded.

IMPORTANT INFORMATION!
The primary Case ground connection from a inverter charger like a MultiPlus, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected DC negative.

IMPORTANT INFORMATION!
Recommended AC In cable/breaker size MultiPlus
AC In must be protected by a circuit breaker rated at 100A max or less. This depends heavily on the size of the connected power source. The input current must be adjusted to fit the size of the connected power source. The breaker and cable size for AC In should be adjusted accordingly.

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WARNING
230 Volt AC is extremely HAZARDOUS! Do not touch any LIVE WIRED parts of the installation. When in doubt, always consult your Victor dealer for advice!

2 x Lithium 25.6V-200Ah NG LiFePO4 Batteries

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Drawing BJE-358A Rev-A

KEEP POSITIVE BATTERY CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!

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- MultiPlus Batt+
- MultiPlus Batt-
- MultiPlus Batt+
- MultiPlus Batt-
- MultiPlus Batt+
- MultiPlus Batt-
- Conn-G Batt+
- Conn-G Batt-
- Conn-F Batt+
- Conn-F Batt-

- Switched load-1
- Switched load-2
- Switched load-3
- No Break load-1
- No Break load-2
- No Break load-3