

**IMPORTANT INFORMATION!**  
 Victron Lithium NG Batteries charge & discharge controlled by BMS NG & CERBO  
 In systems with Victron 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 (240-20 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 the Arco Zeus can not be daisy chained in a VE.Can network. It is designed as a drop device and therefore must be located at the end of a VE.Can network.

**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 are correct.

**IMPORTANT INFORMATION!**  
 For proper functioning with Victor equipment install Venus OS Firmware v1.14 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 Victron Lynx Smart BMS NG and Victron NG Li batteries. Go to ARCOMARINE.COM 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!**  
 Recommended AC Out-1 cable/breaker size MultiPlus  
 With Power assist the MultiPlus can add 5kW to the output load when needed. Together with the adjustable 100A input this all adds up to the max sum of input and output current of 100+21=121A. 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 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.

**IMPORTANT INFORMATION!**  
 Recommended DC cable/fuse size MultiPlus  
 0-5m cable length: 4 x 50SQmm 5-10m cable length: 4 x 95SQmm. 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.

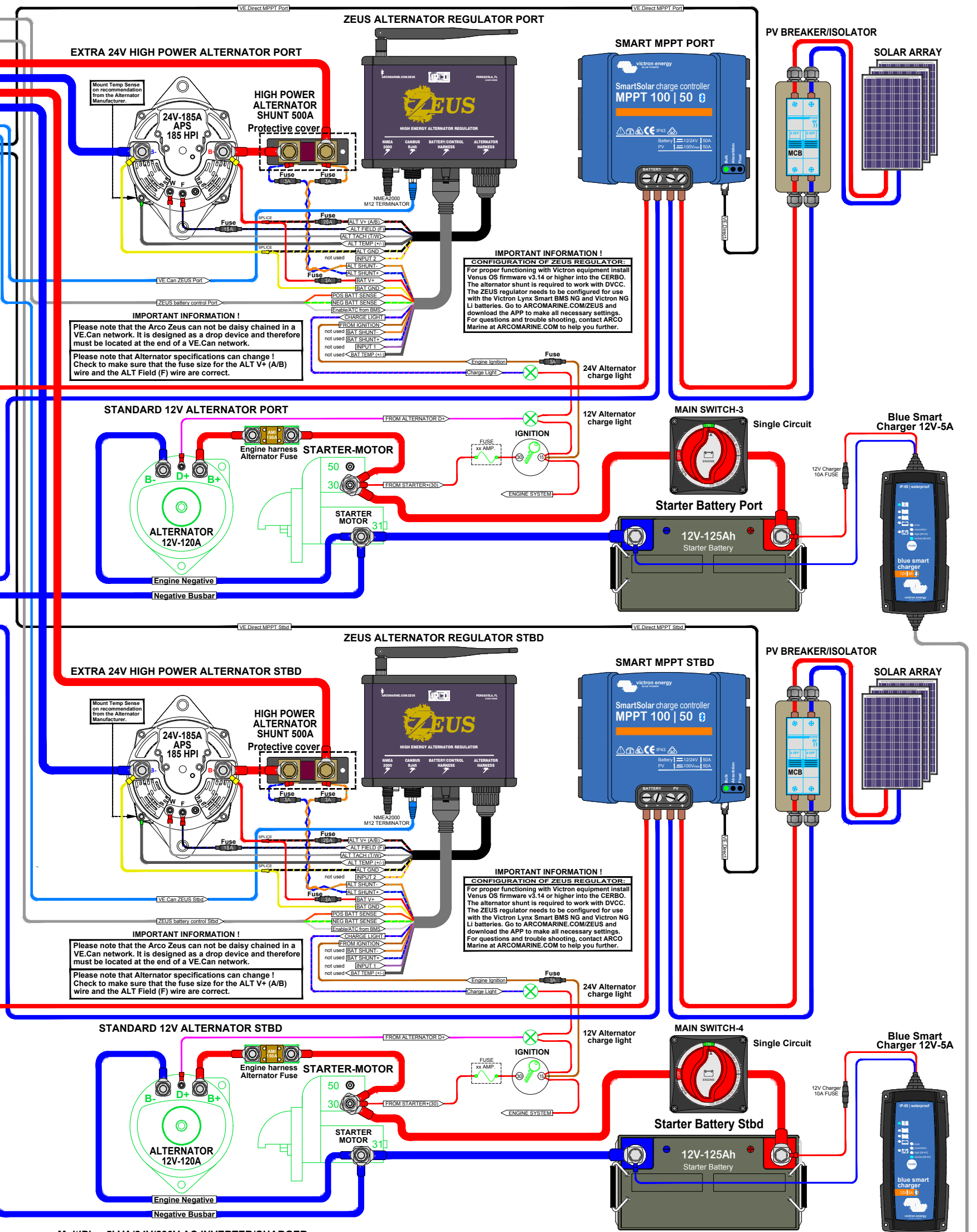
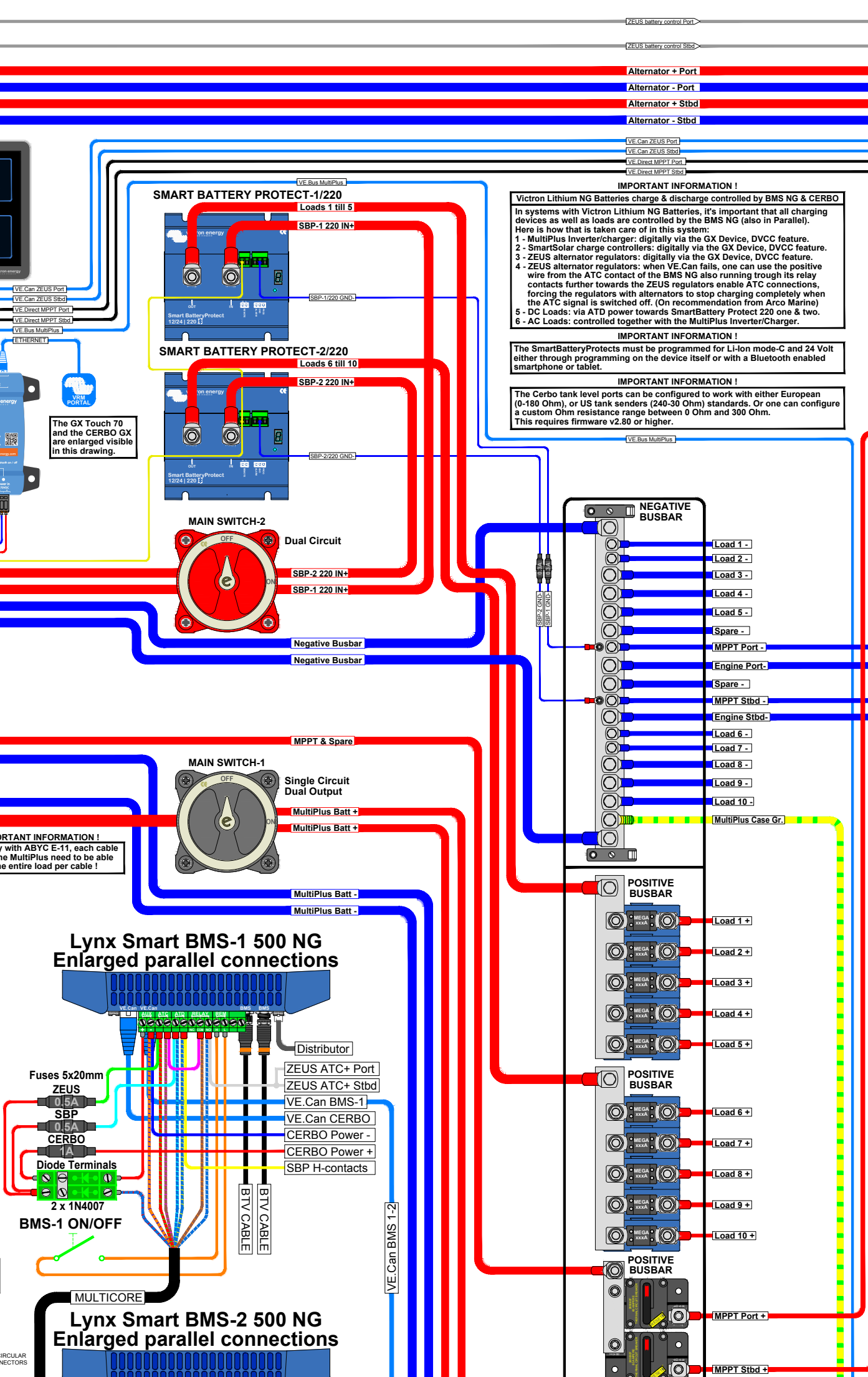
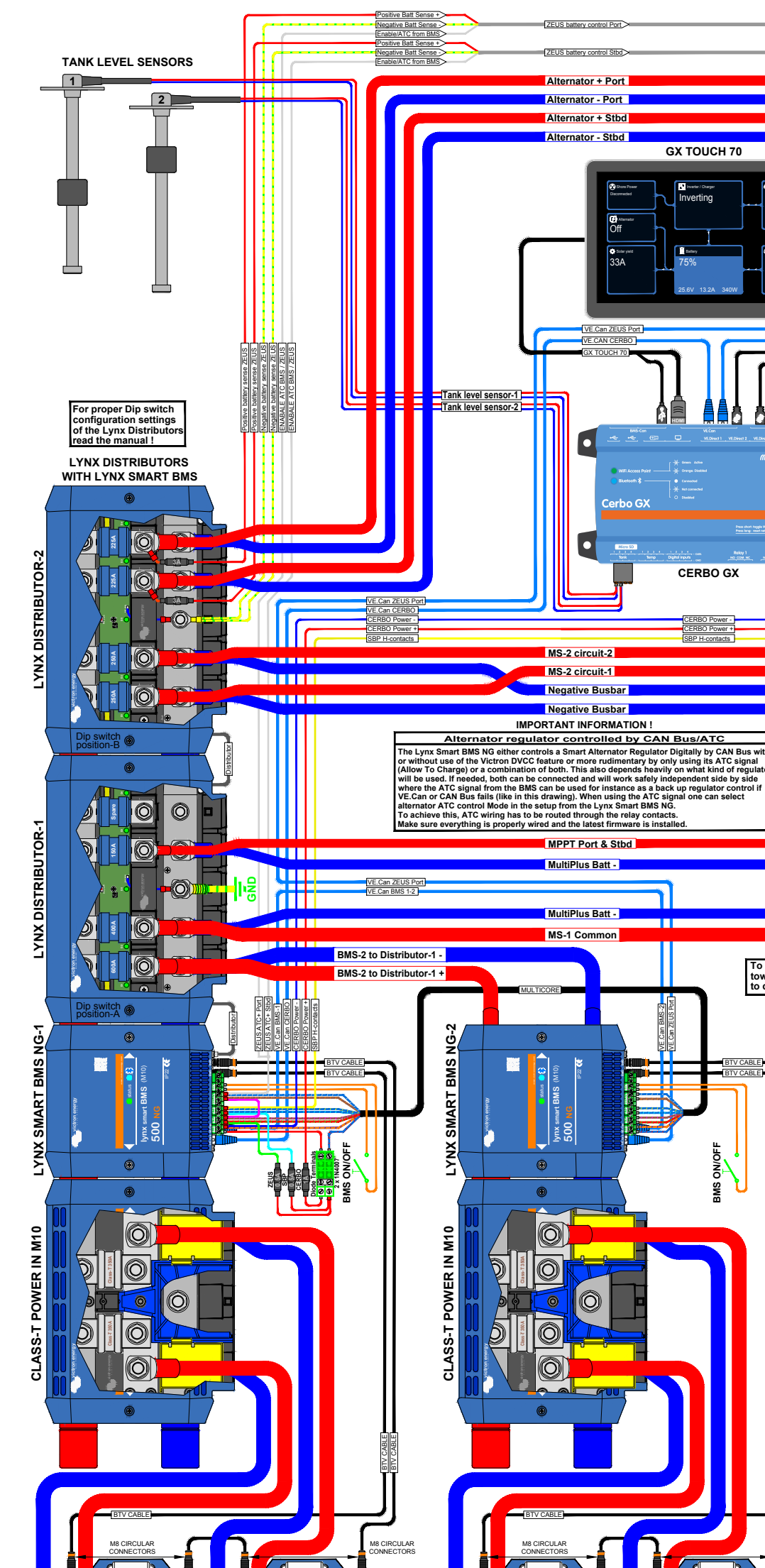
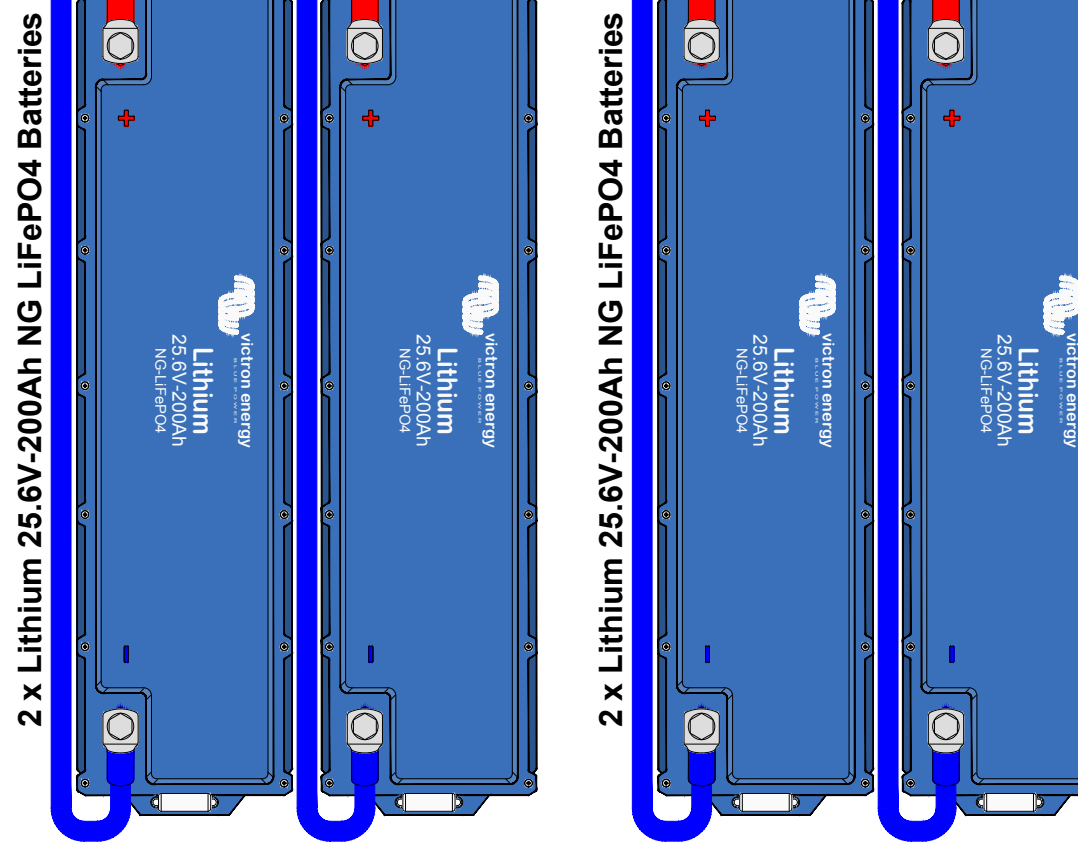
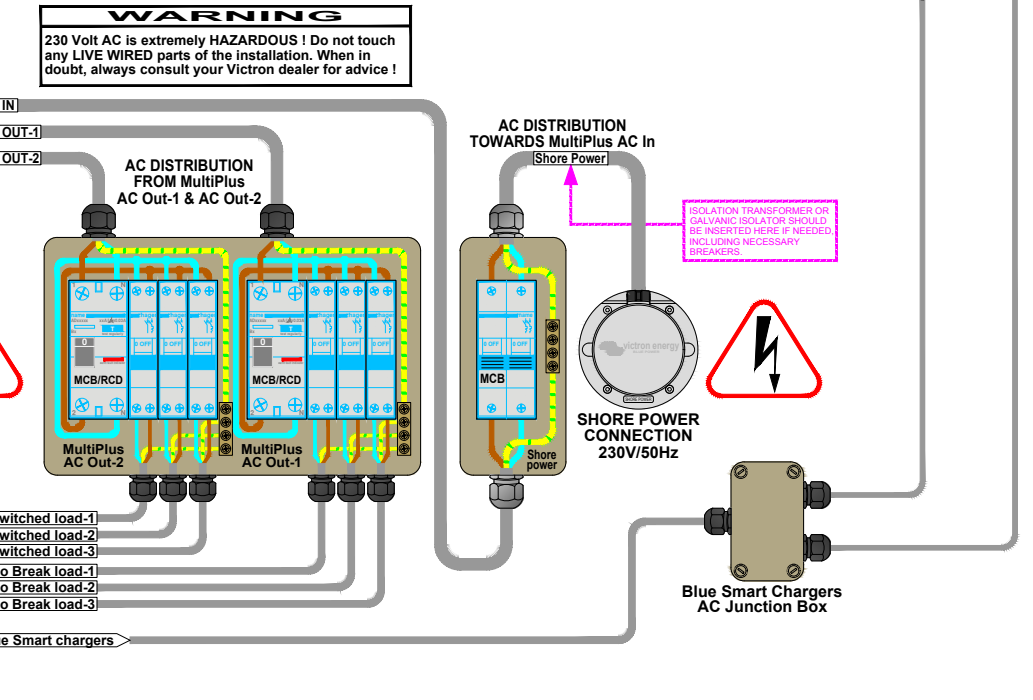
**IMPORTANT INFORMATION!**  
 The primary Case ground connection from a inverter charger like a MultiPlus, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected DC negative. Switch also must be grounded.

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

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2 x Lithium 25.6V-200Ah NG LiFePO4 Batteries

Drawing BJE-358A Rev-A

MultiPlus 5kVA/24V/230V AC INVERTER/CHARGER