

TANK LEVEL SENSORS

ZEUS ALTERNATOR REGULATOR

EXTRA 24V HIGH POWER ALTERNATOR

LYNX DISTRIBUTOR-2

LYNX DISTRIBUTOR-1

LYNX SMART BMS 500 NG

CLASS-T POWER IN M10-2

CLASS-T POWER IN M10-1

GX TOUCH 70

SMART BATTERY PROTECT-1/220

SMART BATTERY PROTECT-2/220

CERBO GX

MAIN SWITCH-2

MAIN SWITCH-1

NEGATIVE BUSBAR

POSITIVE BUSBAR

When adding this extra battery and when extra loads are connected to the Distributors, update the Lynx Smart BMS NG to the 1000A model.

Lithium 25.6V-200Ah NG-LiFePO4

**IMPORTANT INFORMATION!**  
**CONFIGURATION OF ZEUS REGULATOR**  
 For proper functioning with Victron equipment install Victron CS Firmware v3.14 or higher into the CERBO. The alternator must be configured 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/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.

**IMPORTANT INFORMATION!**  
 SmartBatteryProtect 220 1 & 2 must be programmed for Li-Ion mode-C and 24 Volt either through programming on the device itself or with a Bluetooth enabled smartphone/tablet.

**IMPORTANT INFORMATION!**  
 The Cerbo tank level ports can be configured to work with other European (Ø - 180 Ohm), US or UK tank senders (Ø - 30 Ohm) standards. Or one can configure a custom Ohm-resistance range from 0 Ohm and 300 Ohm. This requires firmware v2.85 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.

**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 - Quattro-II inverter/charger: digitally via the GX Device, DVCC feature.  
 2 - SmartSolar charge controller: digitally via the GX Device, DVCC feature.  
 3 - ZEUS alternator regulator: digitally via the GX Device, DVCC feature.  
 4 - ZEUS alternator regulator: 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 regulator enable ATC connection, forcing the regulator with alternator to stop charging completely when ATC power 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 Quattro-II Inverter/Charger.

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

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

**KEEP POSITIVE QUATTRO-II CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!**

**KEEP NEGATIVE QUATTRO-II CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!**

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**IMPORTANT INFORMATION!**  
 Recommended AC Out-1 cable/breaker size Quattro-II  
 With Power assist the Quattro can add 5kW to the output load when needed. Together with the adjustable 50A input this all adds up to the max sum of input and output current of 50+171A. 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 Out-2 cable/breaker size Quattro-II  
 AC Out-2 only is available when power is present on AC IN-1 or AC IN-2. During battery operation it will be disconnected. AC Out-2 supports up to 50A. 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/fuse size Quattro-II  
 6.5m cable length: 4 x 95Sqmm 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 Quattro. 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.

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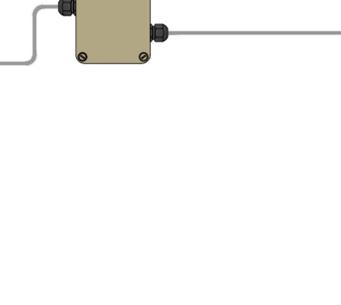
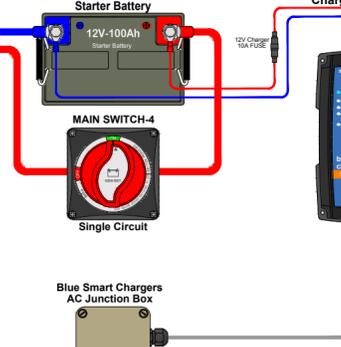
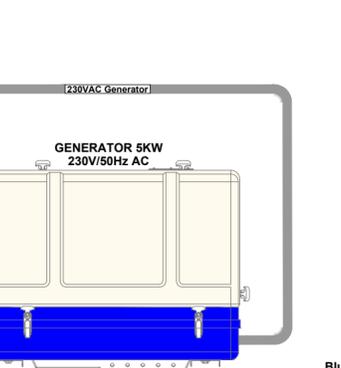
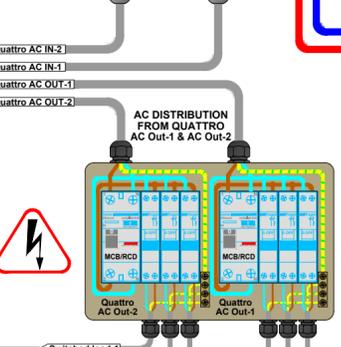
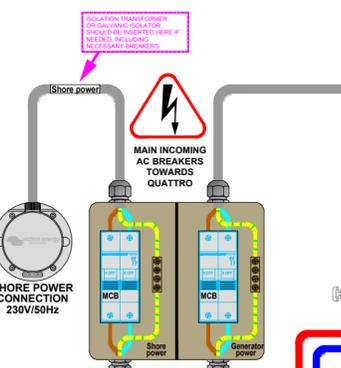
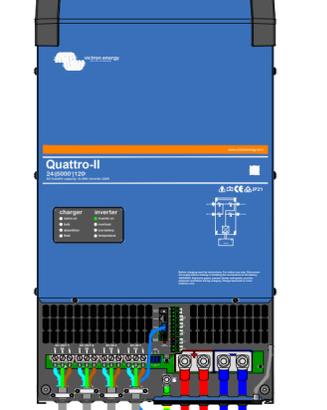
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Lynx Smart BMS NG Enlarged connections

Drawing BJE-351A Rev-B

QUATTRO-II 5KVA/24V/230V AC INVERTER/CHARGER



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

Switched load-1  
 Switched load-2  
 Switched load-3  
 No Break load-1  
 No Break load-2  
 No Break load-3  
 Blue Smart chargers

Blue Smart Charger 12V-5A

Blue Smart Charger 12V-5A