



IMPORTANT INFORMATION!
The Cerbo tank level ports can be configured to work with either European (0 - 180 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!
CONFIGURATION OF ZEUS REGULATOR
For proper functioning with Victron equipment install Venus OS firmware v2.14 or higher into the CERBO. The ZEUS regulator needs to be configured for use with the Victron Lynx Smart BMS and Victron Li-ion 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-2/220 & 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 or tablet.

IMPORTANT INFORMATION!
Victron Smart Lithium Batteries charge & discharge controlled by BMS & CERBO. In systems with Victron Smart Lithium Batteries, it's important that all charging devices as well as loads are controlled by the BMS. Here is how that is taken care of in this system:
1 - Quattro-II Inverter/charger: digitally via the GX Device, DVCC feature.
2 - Solar charge controllers: digitally via the GX Device, DVCC feature.
3 - ZEUS alternator regulator: using the positive wire from the ATC contact of the BMS 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 by the BMS.
4 - DC Loads: via SmartBattery Protect 220 one & two.
5 - AC Loads: controlled together with the Quattro-II Inverter/Charger.

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

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

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

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 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 sources. The breaker and cable size for both AC IN-1 & AC IN-2 should be adjusted accordingly.

IMPORTANT INFORMATION!
Recommended AC IN-1 & AC IN-2 cable/breaker size Quattro-II
AC IN-1 & AC IN-2 both must be protected by a circuit breaker rated at 50A max or less. In case of a split phase supply the Neutral also must be grounded.
The primary Case ground connection from an inverter charger like a Multi or a Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected DC negative.

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!

IMPORTANT INFORMATION!
Recommended DC 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. 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 Quattro-II
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 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.

Lynx Smart BMS NG Enlarged connections