

IMPORTANT INFORMATION!
The SmartBatteryProtect must be programmed for LiIon mode-C and 12 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet. Connect the ATC or ATD contact of the BMS to the Remote M terminal.

IMPORTANT INFORMATION!
Be advised that the CAN Bus cable between the Lynx Smart BMS and the WS500 needs to be a **CROSS OVER** cable!!

IMPORTANT INFORMATION!
The WS500 needs to be configured for use with the Victor Lynx Smart BMS and Victor Li batteries. Download the configuration utility guide, the latest LynxSmart.com/for-sale as well as the latest WS500 firmware from version 2.2.2 and up!!
<http://www.wakespeed.com/technical.html>

IMPORTANT INFORMATION!
Alternator configuration of LYNX SMART BMS
The BMS will only work safely together with an alternator regulator when firmware v1.02 or up has been installed to support this. When wired properly and with the latest alternator ATC control Mode is the value.

IMPORTANT INFORMATION!
Victron Smart Lithium Batteries charge & discharge controlled by BMS & CERBO
In systems with Victor 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. MultiPlus inverter/charger: digitally via the GX Device, DVCC feature.
2. Solar charger: digitally via the GX Device, DVCC feature.
3. Solar charger: ATC wire control, using the positive wire from the ATC contact of the BMS also running through its relay contacts and further towards the WS500 regulator "Feature I" 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 100 or 220.
5. AC Loads: controlled together with the MultiPlus Inverter/Charger.

IMPORTANT INFORMATION!
Recommended AC Out-1 cable/breaker size MultiPlus
0.5 m cable length: 4 x 5000mm, 2.0 m cable length: 4 x 7050mm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery and the MultiPlus connections!!! 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 400A.

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Recommended DC cable/fuse size MultiPlus
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IMPORTANT INFORMATION!
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 the connected DC negative.

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

WARNING!
230 VOLT AC IS EXTREMELY DANGEROUS!!!
DO NOT TOUCH ANY LIVE WIRED PARTS OF THE INSTALLATION!!!
WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTRON DEALER!!!

For proper Dip switch configuration settings of the Lynx Distributor read the manual

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!

2 x Lithium 12.8V-200Ah Smart LiFePO4

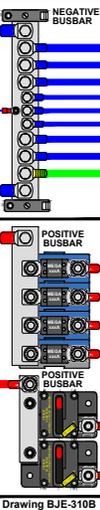
LYNX DISTRIBUTOR
LYNX SMART BMS
LYNX DISTRIBUTOR

Lynx Smart BMS Enlarged connections

- CERBO Power -
- CERBO Power +
- WS500 VE Can
- WS500 VE Com
- SBP H-contact
- SolidSwitch H-contact
- WS500 ATC +
- BTV CABLE
- BTV CABLE

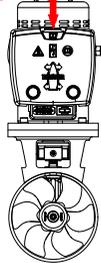
- BMS ON/OFF
- CERBO 1A
- SBP 0.5A
- WS500 0.5A

Victron to Wakespeed Cross over cable!



AC DISTRIBUTION to/from MultiPlus AC-In, AC Out-1 & AC Out-2

- 230V No Break Load
- 230V No Break Load
- 230V No Break Load
- 230V Switched Load
- 230V Switched Load
- 230V Switched Load



INSTALL ORION-Tr CLOSE TO BOW BATTERIES

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