



**IMPORTANT INFORMATION!**  
The SmartBatteryProtect must be programmed for Li-ion mode-C and 12 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet. Connect the load or charge disconnect output of the VE Bus BMS to Remote II 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 Lynx Smart BMS firmware, and the latest WS500 software from the website as well as the latest GX TOUCH 50 software from the website as well as the latest GX TOUCH 50 app!!  
<http://www.wakespeed.com/technical.html>

For proper Dip switch configuration settings of the Lynx Distributors read the manual.

**IMPORTANT INFORMATION!**  
Attention! Connections of the Lynx SMART BMS  
The SBP will only work easily together with an alternator regulator when frequency of 50 Hz or up has been installed to support this. When used properly and with the latest firmware, one can select alternator ATC control Mode in the menu.

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

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

**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-II Inverter/charger: controlled via the GX Device, DVCC feature.  
2 - Solar charger: digitally via the GX Device, DVCC feature.  
3 - WS500 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 In" 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 controlled by the BMS.  
5 - AC Loads: controlled together with the MultiPlus-II Inverter/Charger.

**IMPORTANT INFORMATION!**  
Recommended AC Out-1 cable/breaker size MultiPlus-II  
AC Out-2 only is available when power is present on AC IN. During battery operation it will be disconnected. AC Out-2 supports up to 32A. 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-3 cable/breaker size MultiPlus-II  
It's an cable length: 4 x 650mm, 5-10 m cable length: 4 x 785mm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery and the MultiPlus-II connections !!! Recommendations are without other loads in the system these also should be taken into account for proper main battery, main fuse & main switch cables !!! Fuse size should be 400A.

**IMPORTANT INFORMATION!**  
Recommended DC cable/fuse size MultiPlus-II  
It's an cable length: 4 x 650mm, 5-10 m cable length: 4 x 785mm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery and the MultiPlus-II connections !!! Recommendations are without other loads in the system these also should be taken into account for proper main battery, main fuse & main switch cables !!! Fuse size should be 400A.

**IMPORTANT INFORMATION!**  
Recommended AC IN cable/breaker size MultiPlus-II  
AC IN must be protected by a circuit breaker rated at 32A 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.

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

230V No Break load-1  
230V No Break load-2  
230V Switched load-1  
230V Switched load-2  
Blue Smart Charger

### Lynx Smart BMS Enlarged connections

