

IMPORTANT INFORMATION!
 An external fuse must be fitted between the Lynx Smart BMS and the WS500 needs to be a AC type cable.

IMPORTANT INFORMATION!
 The three main cables connected to the Lynx Smart BMS must be protected by a fuse with a rating of 100A. The fuse must be fitted as close as possible to the Lynx Smart BMS terminals.

IMPORTANT INFORMATION!
 The battery charger must be programmed for the correct battery type and voltage through programming on the device itself or with a Bluetooth enabled smartphone or tablet.

3 x Lithium 25.6V-200Ah Smart LiFePO4

Drawing BJE-292D

A Quattro 6KW/24V/120A has the minimum recommendable charger size for 3 x 24V/200Ah Li

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!
 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 Inverter-charger, digitally via the GX Device, DVDC feature.
 2- Solar chargers: digitally via the GX Device, DVDC feature.
 3- WS500 ATC wire control, using the positive wire from the ATC contact of the BMS.
 4- Solar charging through the main contacts further towards the WS500 regulator.
 5- Future in: connections forcing the regulators with alternators to stop charging.
 6- Emergency start ATC power is switched off by the BMS.
 7- DC Loads: Via SmartBattery Protect 220 one & two
 8- AC Loads: controlled together with the Quattro InverterCharger.

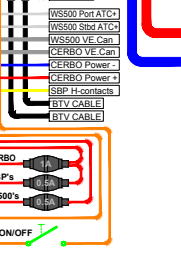
IMPORTANT INFORMATION!
 Recommended AC Out 2 cable breaker size Quattro
 With Power assist the Quattro can add 5kW to the output load. The maximum power is Together with the adjustable 100A input (in AC mode) up to a max sum of input and output current of 100+1212A.
 An Earth leakage device with breaker or a combination AC breaker must be installed on the output. Cable size must be adjusted accordingly.

IMPORTANT INFORMATION!
 Recommended AC In 1 & AC In 2
 Recommended AC cable-breaker size Quattro
 AC In 1 & AC In 2 both must be protected by a circuit breaker rated at 100A max or less. This depends heavily on the size of the connected power sources. The input currents 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 equivalent.
IMPORTANT INFORMATION!
 Recommended DC cable-breaker size Quattro
 2mm cable length & 3000mm 10mm cable length: 4 x 8000mm. When used in closed conditions, cable size must be adjusted. 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 100A.

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 or RCD device. 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 WIRE parts of the installation. When in doubt, always consult your Victron dealer for advice!

Lynx Smart BMS Enlarged connections



IMPORTANT INFORMATION!
 Alternator Configuration of LYNX SMART BMS
 The SBP will only work when used together with an alternator regulated at 14.2V or 14V. When used properly and with the latest firmware, you can select alternator ATC control. Please see the manual.

IMPORTANT INFORMATION!
 For proper Dip switch configuration settings of the Lynx Distributors based on the manual.

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