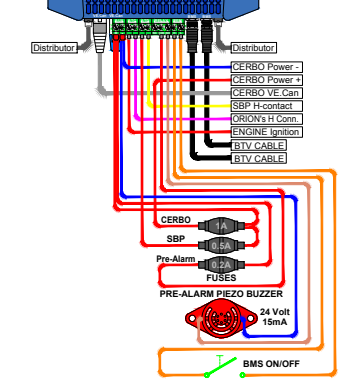


KEEP POSITIVE BATTERY CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!  
 KEEP NEGATIVE BATTERY CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!

**Lynx Smart BMS Enlarged connections**



**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, DVCC feature.  
 2- Solar charger: digitally via the GX Device, DVCC feature.  
 3- Orion Tr, AC via control, using the switched positive wire from the engine Ignition towards the ATC contacts on the BMS and from there towards each Orion Tr.  
 4- DC Loads: via SmartBattery Protect 65 and 220.  
 5- AC Loads: controlled together with the Quattro Inverter/Charger.

**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 RCCB 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.

**IMPORTANT INFORMATION!**  
 Recommended AC Out-2 cablebreaker size Quattro  
 AC Out-2 only is available when power is powered on AC In-1 or AC In-2.  
 During battery operation 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 cablebreaker size Quattro  
 0-5 m cable length: 4 x 50Qmm 5-10 m cable length: 4 x 90Qmm. When power is disconnected, cable size should double. Cable length stands for the distance between the battery and the Quattro.  
 Connections III 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. II  
 Fuse size should be 1 x 400A.

**IMPORTANT INFORMATION!**  
 Recommended AC In-1 & AC In-2 cablebreaker 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 source. The input currents must be adjusted to fit the size of the connected power source. The breaker and cable size for both AC In-1 & AC In-2 should be adjusted accordingly.

**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 !!!

