



The VE-BUS BMS is integral with the wiring. The BMS GND is not connected to the main DC ground. Ground comes through the VE-BUS LFP cable.

The BatteryProtect must be programmed for Li-Ion mode. Call Victron support or with a Bluetooth enabled smartphone or tablet. Connect the load disconnect output of the VE-BUS BMS to Remote H terminal.

KEEP POSITIVE BATTERY CABLES ALL AT THE SAME LENGTH!

4 x Lithium 25.6V-200Ah Smart LiFePO4

THE BMW SHUNT HAS BEEN UPGRADED FROM STANDARD 600A TO 1000A. THE BMW SHUNT IS MOUNTED DIRECT ON BOTH BUSBARS.

Drawing BJE-257C1

KEEP POSITIVE BATTERY CABLES ALL AT THE SAME LENGTH!

IMPORTANT INFORMATION!
When operating in inverter mode, the Neutral output of an inverter-charger must be connected to ground to generate proper functioning of a SPD or RCD device. In the case of a split phase supply the Neutral also must be grounded.
The primary Case ground connection from an inverter charger like a Quattro or Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected AC equipment.

IMPORTANT INFORMATION!
Quattro 3 phase setup programming
The 3 phase setup programming has to be completed with Victron's VE-Bus Quattro Assistant tool on the VE-BUS BMS assistant. A valid case of a split phase supply the Neutral also must be grounded.
The primary Case ground connection from an inverter charger like a Quattro or Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected AC equipment.

IMPORTANT INFORMATION!
Recommended AC DC cable size Quattro
With Power assist each Quattro can send 300W to the output load per phase when connected with Victron's VE-Bus Quattro Assistant tool on the VE-BUS BMS assistant. An Earth leakage device with breaker or a combination RCD/RCD must be installed on the output. Cable size must be adjusted accordingly.

IMPORTANT INFORMATION!
Recommended AC DC cable size Quattro
AC Output is available when power is present on AC IN-1 or AC IN-2. Duration: AC IN-1 operation is 10 minutes. AC IN-2 operation is 10 minutes. An Earth leakage device with breaker or a combination RCD/RCD must be installed on the output. Cable size must be adjusted accordingly.

IMPORTANT INFORMATION!
Recommended DC cable size Quattro's
DC in cable length: 1 x 9500mm 5.0V in cable length: 1 x 9500mm. When used in closed conduits, cable size should be increased. Cable length stands for the distance between the inverter connections and the other connections. Connections 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 per Quattro.

IMPORTANT INFORMATION!
Recommended AC IN-1 & AC IN-2 cable size Quattro
AC IN-1 & AC IN-2 both must be protected by a circuit breaker rated at least one amp above or two. This depends heavily on the size of the connected power source. The input currents must be adjusted to the size of the connected power source. The breaker and cable size for both AC IN-1 & AC IN-2 should be adjusted accordingly.

IMPORTANT INFORMATION!
DO NOT TOUCH ANY LIVE WIRES (WIRING OR THE BATTERY)! WHEN YOU GOOT, ALWAYS CONSULT YOUR VICTRON DEALER!!!

FOR A PROPER FUNCTION OF THE 3 PHASE QUATTRO CONFIGURATION, THE PHASE ROTATION FOR SHORE POWER AND GENERATOR POWER HAS TO BE CONNECTED CORRECTLY FOLLOWING L1-L2-L3.