



The VE-BUS BMS is highlighted in this drawing. The BMS GND is not connected to prevent ground loops. Ground comes through the VE-BUS UTP cable.

The BatteryProtect must be programmed for LiIon mode C and 24 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet. Connect the load disconnect output of the VE-Bus BMS to Remote if terminal.

KEEP POSITIVE BATTERY CABLES ALL AT THE SAME LENGTH!

4 x Lithium 25.6V-200Ah Smart LiFePO4

THE BMV SHUNT HAS BEEN UPGRADED FROM STANDARD 500A TO 1000A. THE BMV SHUNT IS MOUNTED DIRECT ON BOTH BUSBARS.

KEEP NEGATIVE BATTERY CABLES ALL AT THE SAME LENGTH!

Drawing 5JE-257B

Quattro 3 phase setup programming
The 3 phase setup programming has to be completed with Victor's VE-Bus Quick Configure before the VE-Bus BMS assistant is loaded into each Quattro 1.
Quattro programming with VE Configure
The VE-Bus BMS assistant has to be added to each Quattro with Victor's VE Configure after completion of the 3 phase setup.

Recommended AC Out-2 cable/breaker size Quattro's
AC Out-2 only is available when power is present on AC IN-1 or AC IN-2. During battery operation it will be disconnected. AC Out-2 supports up to 50A per phase and is adjustable. An Earth leakage with breaker or a combination MCB/RCD must be installed on the output. Cable size must be installed in the output. Cable size must be adjusted accordingly.

Recommended AC Out-1 cable/breaker size Quattro's
W/B Power assist each Quattro can assist 80W to the output load per phase when input and output current of 10A is required. Input this all adds up to the max sum of input and output current of 10A x 2 = 20A per phase. An Earth leakage with breaker or a combination MCB/RCD must be installed in the output. Cable size must be adjusted accordingly.

Recommended DC cable/breaker size Quattro's
6.8 m cable length: 4 x 95Gmm
5-10 m cable length: 4 x 165Gmm
Cable length stands for the distance between the battery connections and the Quattro connections. Recommendations are without other loads in the system and these also should be taken into account for proper main battery main fuse & main breaker and cable size for AC IN-1 & AC IN-2 should be adjusted accordingly.

Recommended AC IN-1 & AC IN-2 cable/breaker size Quattro's
AC IN-1 & AC IN-2 both must be protected by a 100A circuit breaker rated at 100A max per phase or less. Recommendations are without other loads in the system and these also should be taken into account for proper main battery main fuse & main breaker and cable size for AC IN-1 & AC IN-2 should be adjusted accordingly.

WARNING
230-240VOLT IS EXTREMELY HAZARDOUS. DO NOT TOUCH ANY LIVE WIRE OR PARTS OF THE INSTALLATION !!! WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTOR 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.

SHORE POWER CONNECTION
CEE Form 5 pole 16A

