



The VE-BUS BMS is a shunt type and 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

KEEP NEGATIVE BATTERY CABLES ALL AT THE SAME LENGTH

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

Drawing BJE-257A

- 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 60A 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 adjusted accordingly.
- Recommended AC Out-1 cable/breaker size Quattro's:** With Power assist each Quattro can assist 80W to the output load per phase when AC IN-1 and AC IN-2 are present. Cable length must be the distance between the input and output cables to the max sum of input and output current of 10A + 12.5A per phase. An Earth leakage with breaker or a combination MCB/RCD must be installed on the output. Cable size must be adjusted accordingly.
- Recommended DC cable/breaker size Quattro's:** 6.8 m cable length: 4 x 95SDmm. 5-10 m cable length: 4 x 95SDmm. Recommendations are without other loads in the system and these also should be taken into account for proper main battery, main fuse & main breaker in the output. Cable size must 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 circuit breaker rated at 100A max per phase or less. The recommendations are without other loads in the system and these also should be taken into account for proper main battery, main fuse & main breaker in the output. Cable size must 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.

- AC No Break Distribution
- AC Switched load Distribution

