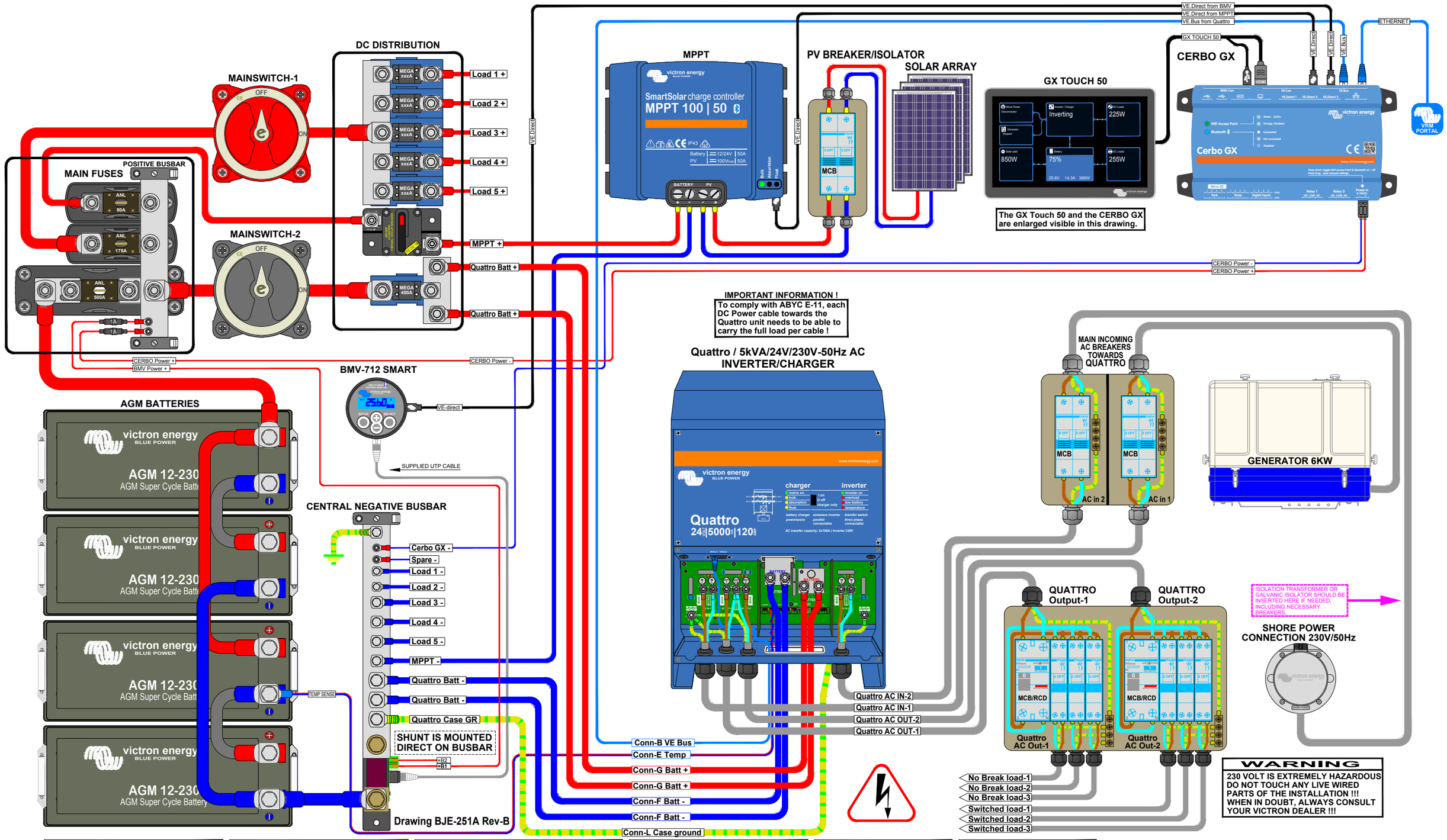

Recommended AC Out-2 cable/breaker size Quattro

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.
An Earth leakage device 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

With Power assist the Quattro can add 5KW to the output load when needed. Together with the adjustable 100A input this all adds up to the max sum of input and output current of 100+21=121A. 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/fuse size Quattro

0-5 m cable length: 4 x 50SQmm 5-10 m cable length: 4 x 95SQmm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery 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 switch cables !!!
Fuse size should be 1 x 400A

Recommended AC IN-1 & AC IN-2 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 source. The input currents must be adjusted to fit the size of each connected power source. The breaker and cable size for both AC IN-1 & AC IN-2 should be adjusted accordingly.

The primary Case ground connection from a inverter charger like a Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be one size smaller or identical to the total connected DC negative.

When operating in inverter mode, the Neutral output of a 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.