



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!

KEEP ALL QUATTRO DC POWER CABLES AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH!

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

IMPORTANT INFORMATION 1
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 RCD device. In case of a split phase supply the Neutral also must be grounded.

IMPORTANT INFORMATION 2
Quattro split phase setup programming
The split phase programming has to be completed with Victron's VE.Bus Quick Configure before the VE.Bus BMS assistant is loaded into each Quattro!

IMPORTANT INFORMATION 3
Recommended AC Out 2 cable/breaker size Quattro
With Power assist each Quattro can add 500W to the output load per phase when loaded. Together with the adjustable 150A AC Out 2 cable/breaker device with inverter or a combination MCBS/RCD must be installed on the output. Cable size must be adjusted accordingly.

IMPORTANT INFORMATION 4
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 60A per phase and is adjustable.

IMPORTANT INFORMATION 5
Recommended DC cable/breaker size Quattro's
15 m cable length: 4 x 95SDmm
10 m cable length: 4 x 95SDmm
Cable length stands for the distance between the battery connections and the Quattro connections (per phase) and is adjustable.

IMPORTANT INFORMATION 6
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. This depends heavily on the size of the connected power source. The recommendations are without other loads in the system and must also be adjusted to the type of connected power source. The breaker and cable size for the AC IN-1 & AC IN-2 should be adjusted accordingly.

WARNINGS
120/240 VOLT AC IS EXTREMELY HAZARDOUS!! DO NOT TOUCH ANY LIVE WIRED PARTS OF THE INSTALLATION!! WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTRON DEALER!!!

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