



Drawing BJE-278A Rev-B

<p>IMPORTANT INFORMATION!</p> <p>When operating in inverter mode, the Neutral leg of a 3-wire inverter must be connected to ground to guarantee proper functioning of a GFCI or RCD device. In case of a split phase supply the Neutral <u>must</u> be connected.</p> <p>The primary case ground connection from a inverter charger like a Multi or a Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected DC negative.</p>	<p>IMPORTANT INFORMATION!</p> <p>Quattro 3 phase setup programming</p> <p>The 3 phase setup programming has to be completed with Victron VE Bus Check Configure before the IBS assistant is installed into each Quattro.</p> <p>Quattro programming with VECConfigure</p> <p>The IBS assistant has to be applied to each Quattro with Victron's VECConfigure after completion of the 3 phase setup.</p>	<p>IMPORTANT INFORMATION!</p> <p>Recommended AC Out 1 cable/breaker size Quattro</p> <p>With Power assist each Quattro can add 8kW to the output load per phase when used in parallel. Together with the distributed IBSA report this all adds up to the max sum of input and output current of 117A/117A per phase. An Earth leakage device with breaker or a combination MCB/RCD must be installed on the output. Cable size must be adjusted accordingly.</p>	<p>IMPORTANT INFORMATION!</p> <p>Recommended AC Out 2 cable/breaker size Quattro</p> <p>AC Out 2 only is available when power is present on AC In 1 or AC In 2. Quattro AC Out 2 supports up to 80A per phase. The Earth leakage device with breaker or a combination MCB/RCD must be installed on the output. Cable size must be adjusted accordingly.</p>	<p>IMPORTANT INFORMATION!</p> <p>Recommended DC cable/breaker size 48V Quattro</p> <p>8.0 m cable length: 2 x 70SDmm 5-10 m cable length: 14 x 70SDmm. When used in closed conduits, cable size should increase. Cable length stands for the distance between the battery connections and the Quattro connections.</p> <p>Recommendations are without other loads in the system and these also should be taken into account for proper main battery, main fuse, and main switch cables! Fuse size should be 200A per Quattro.</p>	<p>IMPORTANT INFORMATION!</p> <p>Recommended AC In 1 & AC In 2 cable/breaker size Quattro</p> <p>AC In 1 & AC In 2 both must be protected by a circuit breaker rated at 100A and 3 phase or 4S. This depends heavily on the size of the connected power sources. The input currents must be adjusted to fit the breaker and cable size for both AC In 1 & AC In 2 should be adjusted accordingly.</p>	<p>WARNING!</p> <p>230/400 VOLT IS EXTREMELY HAZARDOUS DO NOT TOUCH ANY LIVE WIRED PARTS!! THE INSTALLATION MUST BE COMPLETED BY A QUALIFIED ELECTRICIAN. WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTRON DEALER!!</p>
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