



Blue Nova BN52V-690-36K NG

IMPORTANT INFORMATION!
 Distributed Voltage and Current Control (DVCC)
 From GX device software version 2.0, DVCC will be enforced ON for Blue Nova batteries with battery detection ON, as well as enforcing good settings for it. DVCC ON and BYE OFF and BYE ON. The cable receives the Charge Voltage Limit, Charge Current Limit, inverting/charging current limit as well as the Battery Low Voltage from the battery towards the connected inverter/chargers and solar chargers. These three disable their internal charge algorithms and simply do what they're told by the battery. There is no need to set-up charge voltages or choose the charge algorithm type.

IMPORTANT INFORMATION!
 Latest information from the manufacturer
 Always check with Blue Nova and Victron Energy about the latest available firmware updates and manual updates during commissioning. This is necessary to ensure things match properly. When in doubt, always contact Blue Nova and Victron Energy for the latest available information.

ALL MAIN SWITCHES SHOULD BE 40V!

BALANCE DISTANCES BETWEEN CONNECTIONS IDENTICALLY!

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KEEP ALL POSITIVE QUATTRO CABLES AT THE SAME LENGTH!

KEEP ALL NEGATIVE QUATTRO CABLES AT THE SAME LENGTH!

FOR A PROPER FUNCTION OF THE 3 PHASE QUATTRO CONFIGURATION, THE PHASE ROTATION FOR GRID/SHORE POWER AND GENERATOR POWER HAS TO BE CONNECTED CORRECTLY FOLLOWING L1, L2, L3.

- IMPORTANT INFORMATION!**
 When operating in inverter mode, the Neutral output of a inverter/charger must be connected to ground to guarantee proper functioning of a DC/AC inverter device. In case of a split phase supply the Neutral should be grounded.
- IMPORTANT INFORMATION!**
 The 3 phase setup programming has to be completed with Victron's VE Bus GND Configurator before the ESS assistant is installed into each Quattro.
- IMPORTANT INFORMATION!**
 With Power Assist each Quattro can use 160W to the output load per phase which is available when power is present on AC IN-1 or AC IN-2. During inverting, together with the adjustable 100V AC/AC-2, supports up to 160W per phase. An Earth leakage device with triangler or a combination RCB/RCD must be installed on the output. Cable size must be adjusted accordingly.
- IMPORTANT INFORMATION!**
 Recommended AC Out 1 cable/breaker size Quattro AC Out 2 only is available when power is present on AC IN-1 or AC IN-2. During inverting, together with the adjustable 100V AC/AC-2, supports up to 160W per phase. An Earth leakage device with triangler or a combination RCB/RCD must be installed on the output. Cable size must be adjusted accordingly.
- IMPORTANT INFORMATION!**
 Recommended DC cable size size 40V Quattro's 1.5 x 100mm. When used in closed conduit, cable size should double. Cable length should be the distance between the battery connections and the Quattro connections !!!
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 Recommended AC IN-1 & AC IN-2 cable length 4 x 100mm. When used in closed conduit, cable size should double. Cable length should be the distance between the battery connections and the Quattro connections !!!
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WARNING!
 DO NOT TOUCH ANY LIVE WIRED PARTS OF THE INSTALLATION!!
 WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTRON DEALER!!

Drawing BJE-279A Rev-A