



48-VOLT SYSTEM FOR MASSIVE POWER!
SPECIAL BUNDLE PRICE
BEST PRICING!
FAST & FREE GROUND SHIPPING

SUPER FAST CHARGING FROM A DEDICATED SECONDARY ALTERNATOR

NO SALES TAX TO MOST STATES

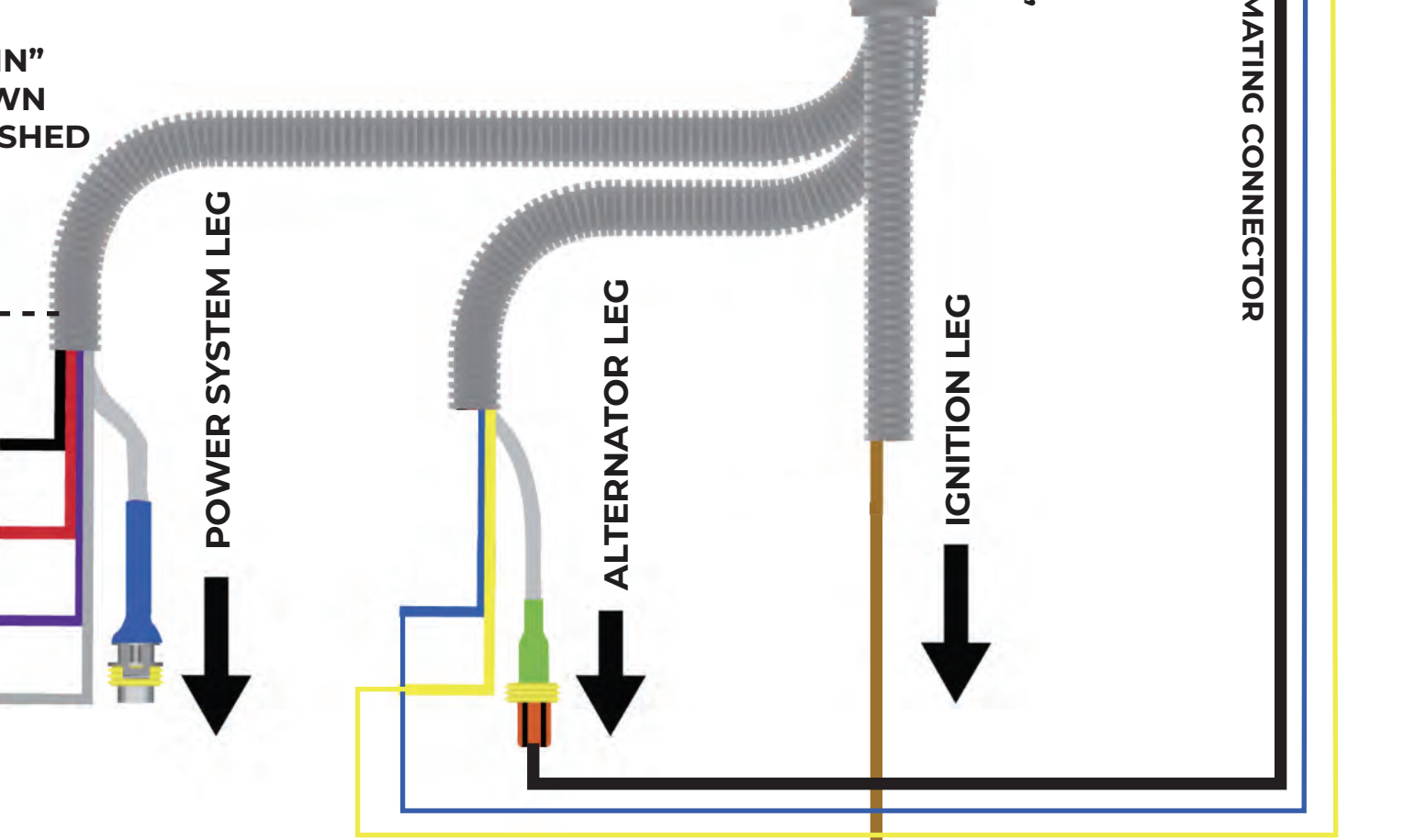
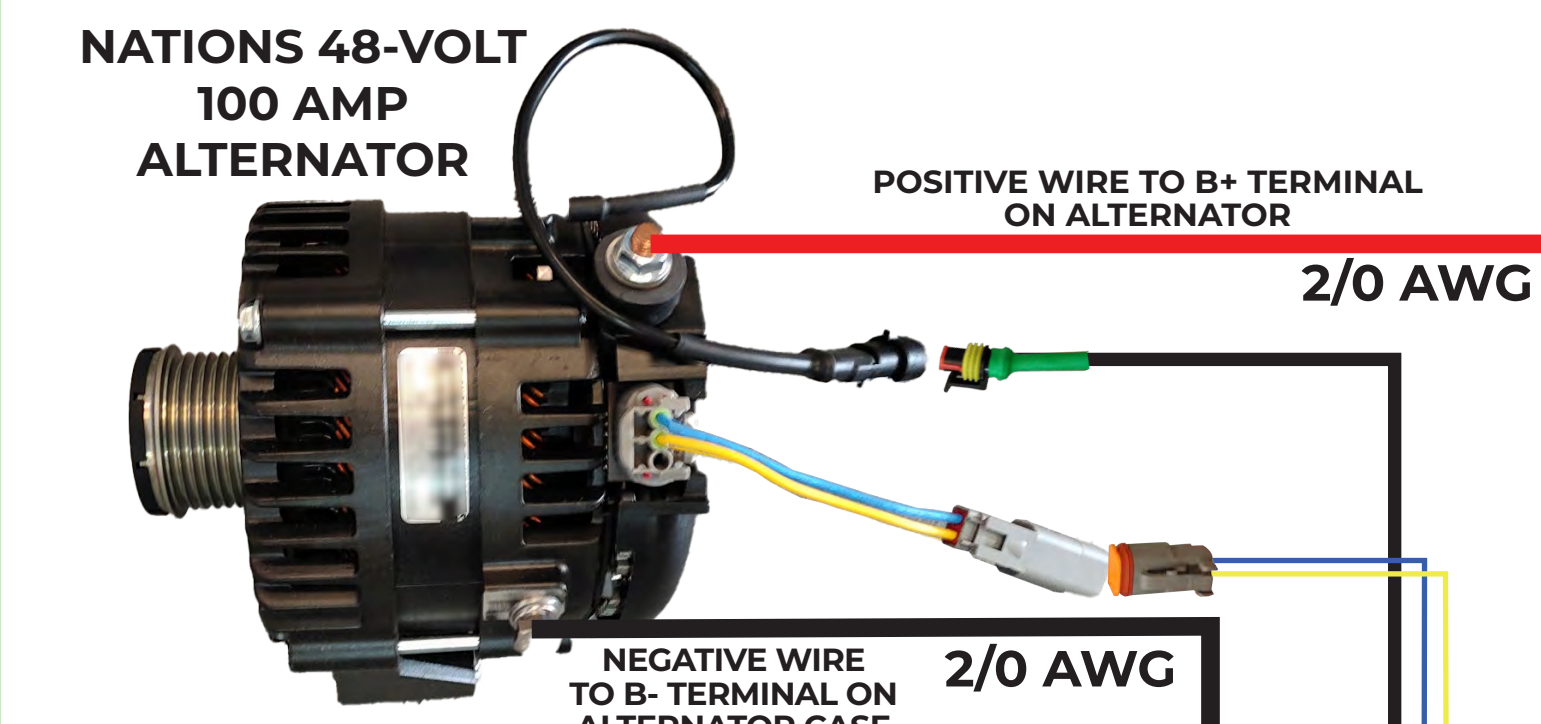
WORLD-CLASS SERVICE & SUPPORT

SCAN FOR DETAILS



Pricing and offers subject to change.

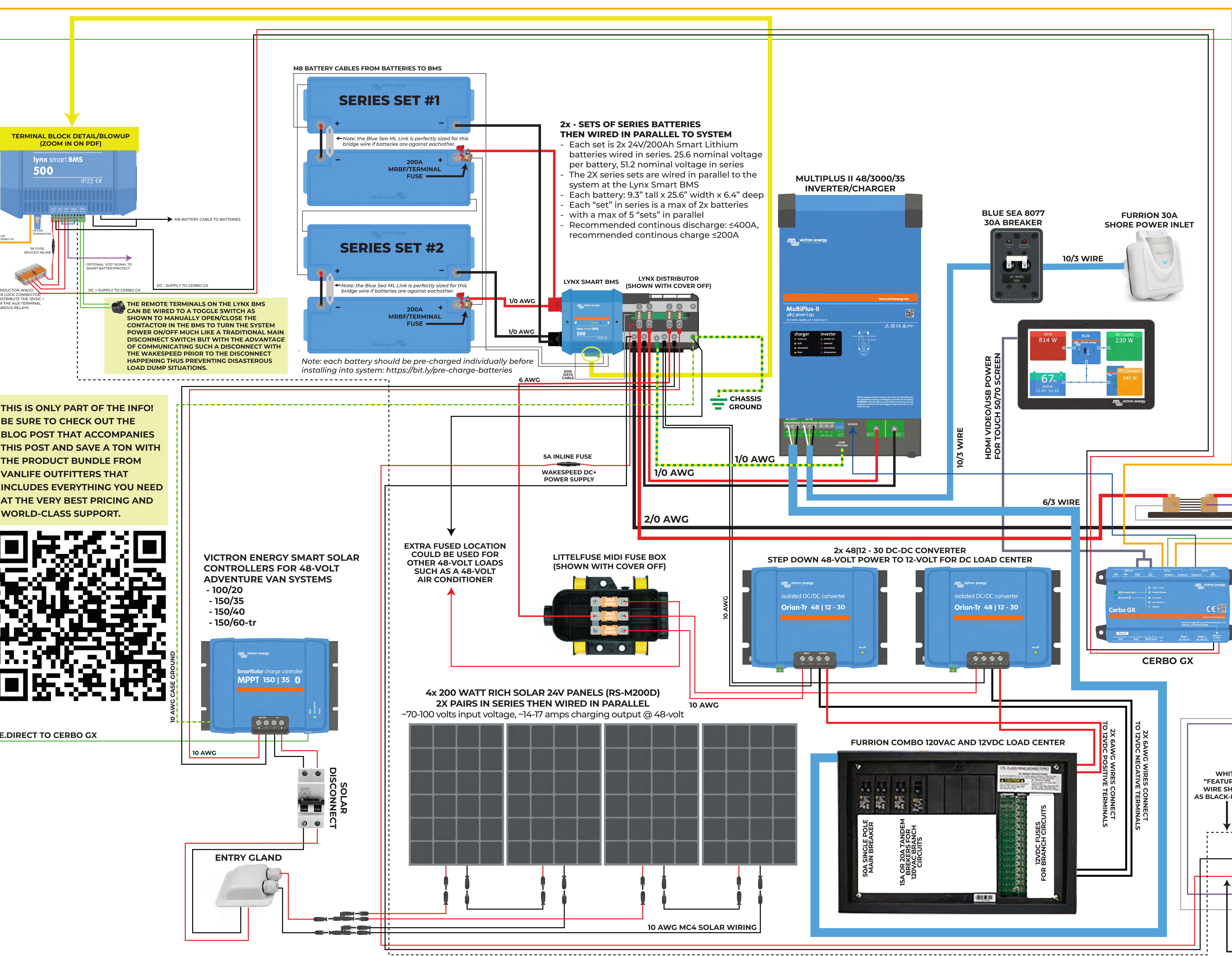
THE WAKESPEED REGULATOR SHOULD BE LOCATED WITH THE REST OF YOUR MAIN SYSTEM COMPONENTS LIKE THE LYNX DISTRIBUTOR. TYPICALLY THIS IS OVER A REAR WHEEL WELL IN A VAN. DO NOT EXTEND THE RED AND BLACK WIRES IN THE WAKESPEED VAN HARNESS. THAT "LEG" IS ABOUT 27' LONG. IF YOU NEED FURTHER DISTANCE, PLEASE USE THE "STANDARD HARNESS" WHERE THERE ARE SEPARATE WIRES FOR POWER AND VOLTAGE SENSING (RED/BLACK AND RED/YELLOW STRIPE AND BLACK/YELLOW STRIPE RESPECTIVELY).



OPTIONAL TOGGLE SWITCH ON THE IGNITION CONNECTION, ADDING THE "OFF" POSITION ALLOWS YOU TO DISABLE CHARGING FROM THE SECONDARY ALTERNATOR. IF YOU HAVE YOUR BATTERIES DISCONNECTED USING THE SELECTION/DISCONNECT SWITCH YOU MUST ALSO DISABLE THE SECONDARY ALTERNATOR TO PREVENT DAMAGE TO THE ALTERNATOR.

IGNITION CONNECTION
 THIS BROWN IGNITION TRIGGER CABLE INCLUDED IN THE WAKESPEED REGULATOR HARNESS IS APPROX. 20' IN LENGTH. THIS WIRE SHOULD BE FUSED BUT IS OFTEN PROTECTED BY THE CIRCUIT YOU'RE CONNECTING INTO.

NOTE THIS RED POWER SUPPLY WIRE SHOULD BE CONNECTED TO THE SAME FUSED TERMINAL ON THE LYNX DISTRIBUTOR THAT THE ALTERNATOR CHARGING OUTPUT IS CONNECTED TO AND CAN BE 48V.



THIS IS ONLY PART OF THE INFO! BE SURE TO CHECK OUT THE BLOG POST THAT ACCOMPANIES THIS POST AND SAVE A TON WITH THE PRODUCT BUNDLE FROM VANLIFE OUTFITTERS THAT INCLUDES EVERYTHING YOU NEED AT THE VERY BEST PRICING AND WORLD-CLASS SUPPORT.



VE.DIRECT TO CERBO GX

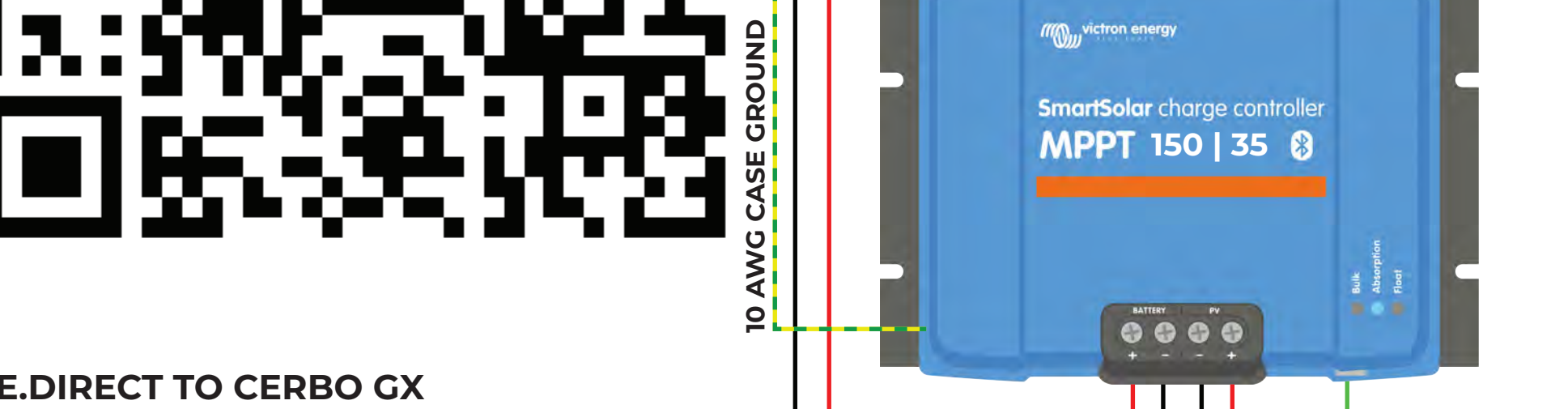
WIRE GAUGES ARE EXAMPLES ONLY. REFER TO ABYC AMPACITY CHARTS TO SIZE YOUR WIRES CORRECTLY BASED ON YOUR SYSTEM'S SPECIFIC CONDITIONS

THIS IS NOT ELECTRICAL ADVICE. THIS IS AN ILLUSTRATION OF ELECTRICAL SYSTEMS THAT WE HAVE USED IN OUR VANS. ALWAYS DO YOUR OWN RESEARCH AND USE THIS INFORMATION AT YOUR OWN RISK.

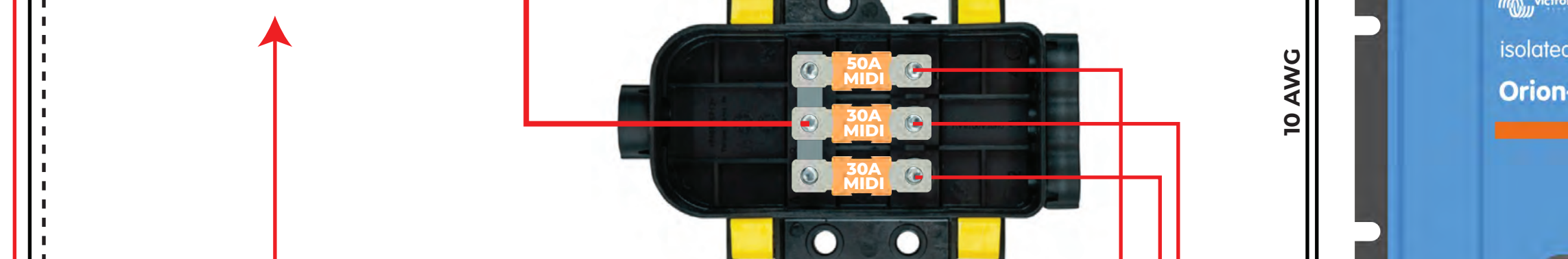
WARNING: 48-VOLT POWER SYSTEMS REQUIRE ADDITIONAL SAFETY AND CARE COMPARED TO LOWER VOLTAGE (12-VOLT, ETC.) SYSTEMS. DO NOT ATTEMPT TO INSTALL A 48-VOLT POWER SYSTEM UNLESS YOU ARE CONFIDENT IN YOUR KNOWLEDGE AND SKILLS AND HAVE A QUALIFIED INDIVIDUAL INSPECT YOUR SYSTEM PRIOR TO USE. USE EXTREME CAUTION TO PREVENT A DISCONNECT OF THE CHARGING CURRENT FROM THE NATIONS ALTERNATOR TO YOUR BATTERIES. AN UNMANAGED DISCONNECT/LOAD DUMP WILL CAUSE A MASSIVE (~400-VOLT) VOLTAGE SPIKE THAT IS EXTREMELY DANGEROUS AND WILL SEVERELY DAMAGE YOUR EQUIPMENT. ONLY USE WAKESPEED APPROVED BATTERIES THAT HAVE A CAN DATA CONNECTION.

VICTRON ENERGY SMART SOLAR CONTROLLERS FOR 48-VOLT ADVENTURE VAN SYSTEMS

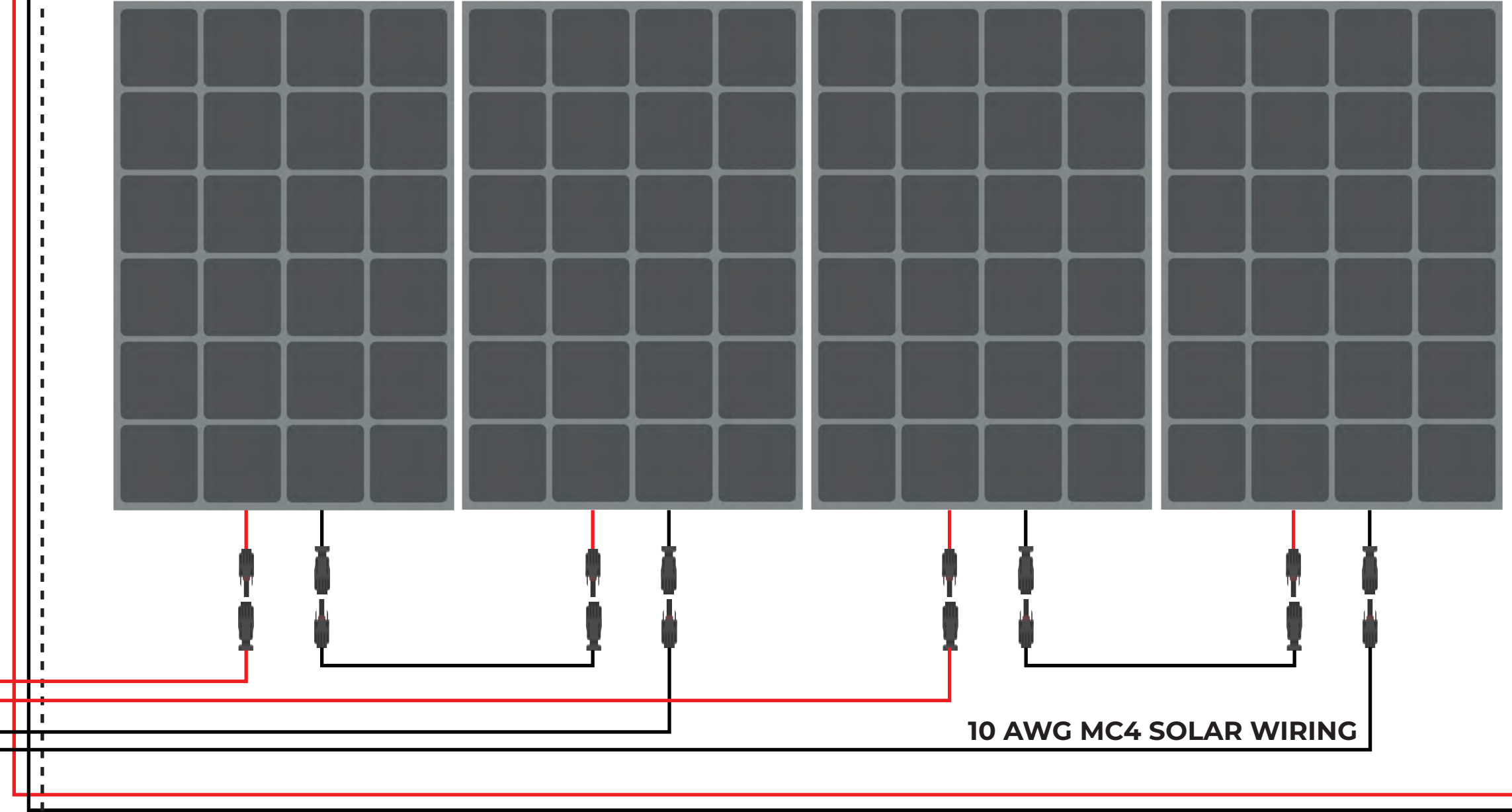
- 100/20
- 150/35
- 150/40
- 150/60-tr



EXTRA FUSED LOCATION COULD BE USED FOR OTHER 48-VOLT LOADS SUCH AS A 48-VOLT AIR CONDITIONER



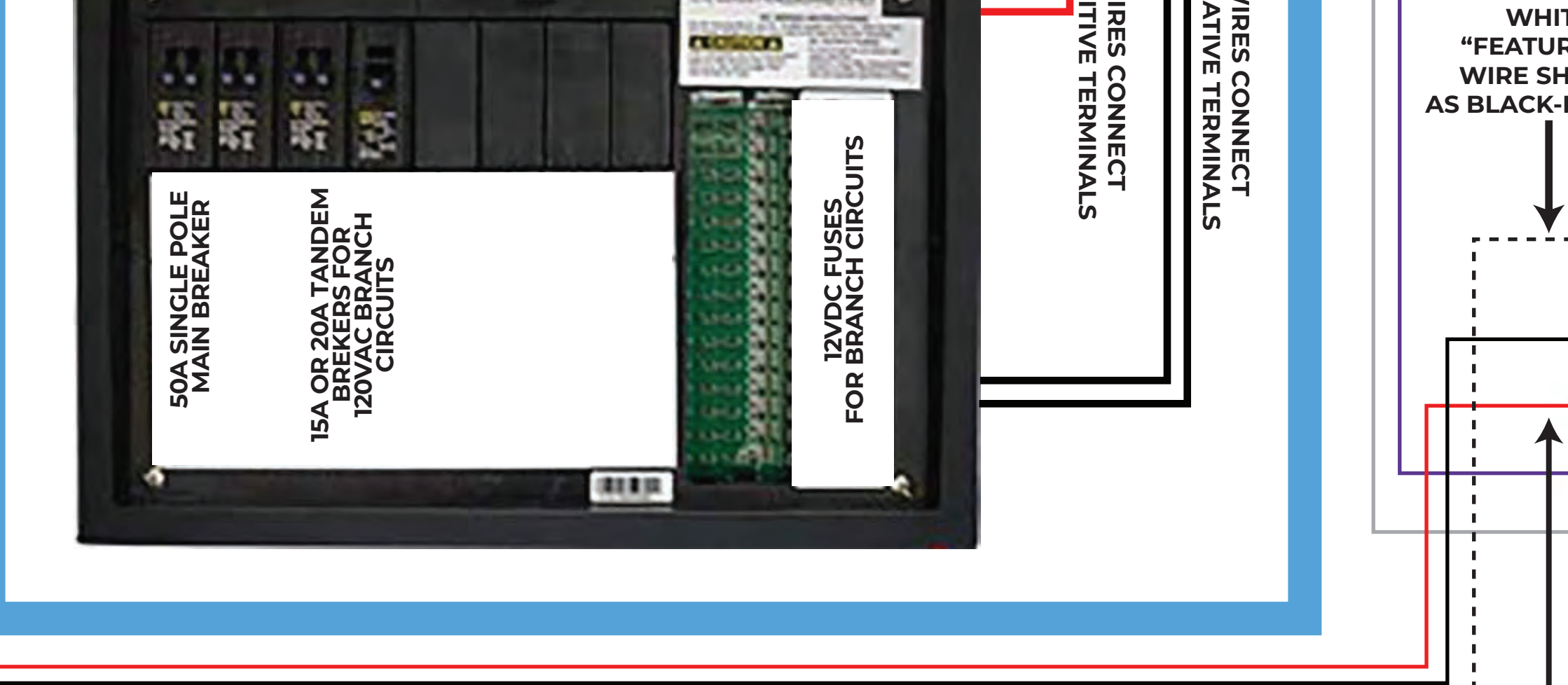
4x 200 WATT RICH SOLAR 24V PANELS (RS-M200D) 2X PAIRS IN SERIES THEN WIRED IN PARALLEL ~70-100 volts input voltage, ~14-17 amps charging output @ 48-volt



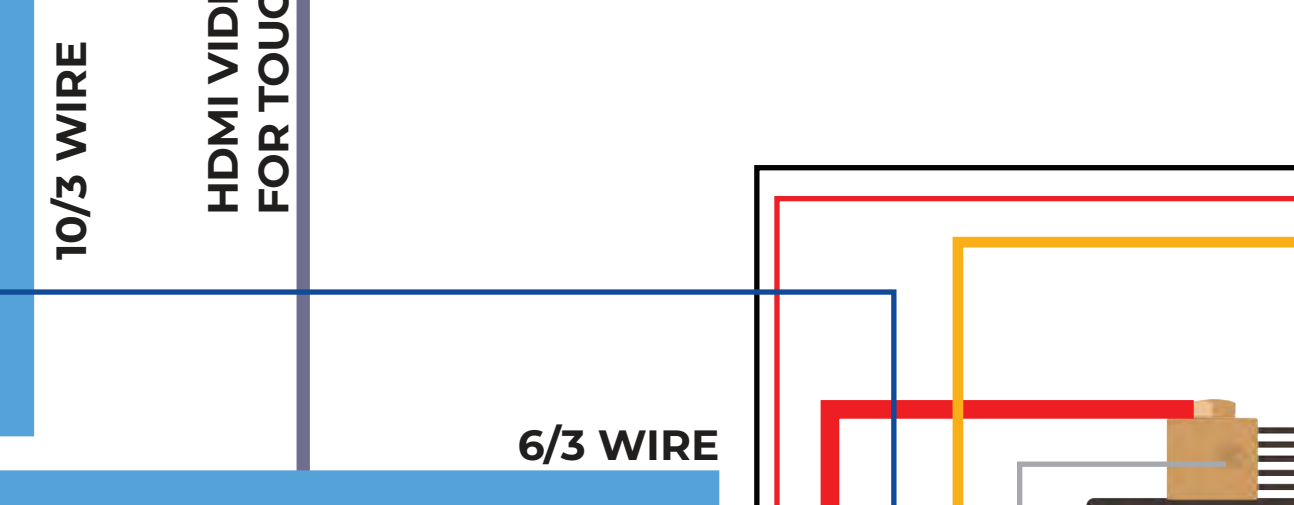
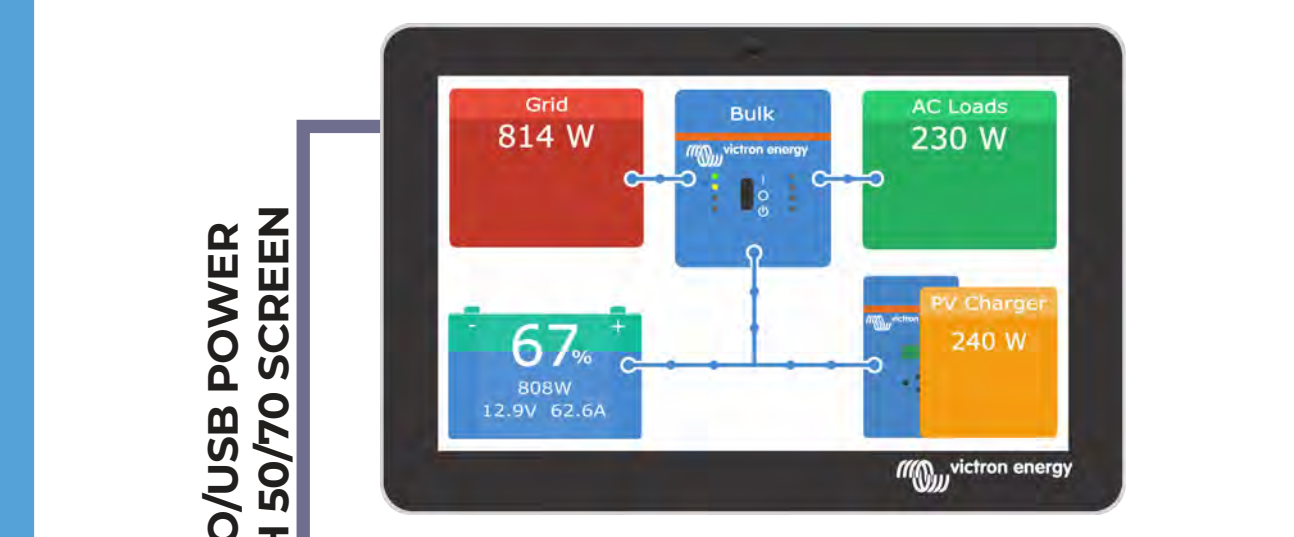
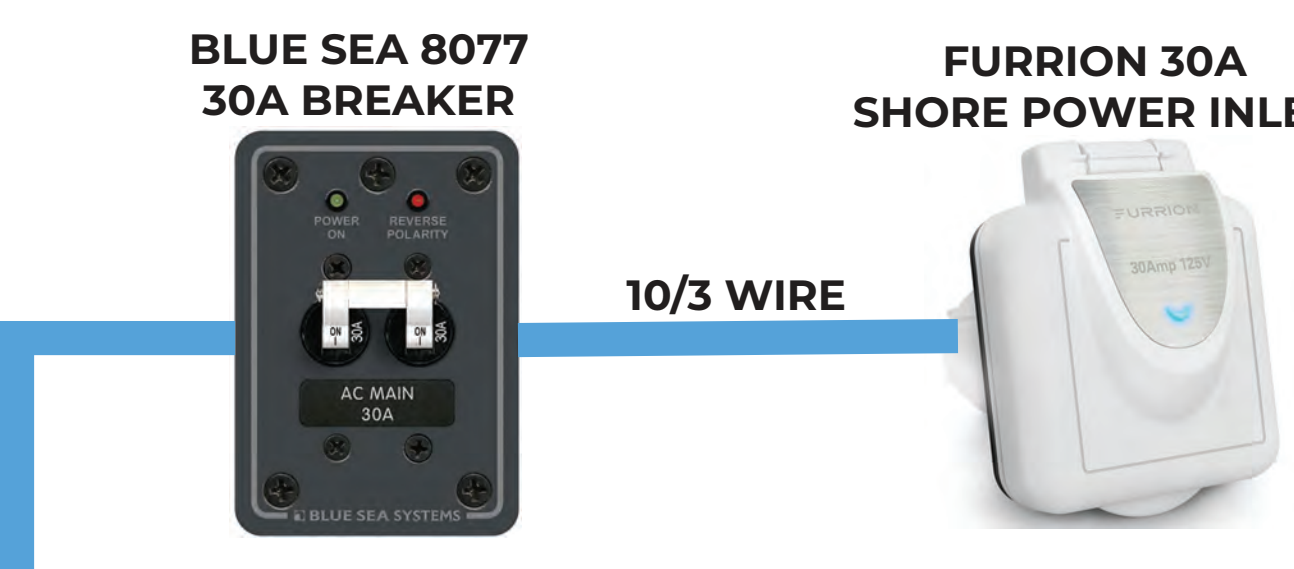
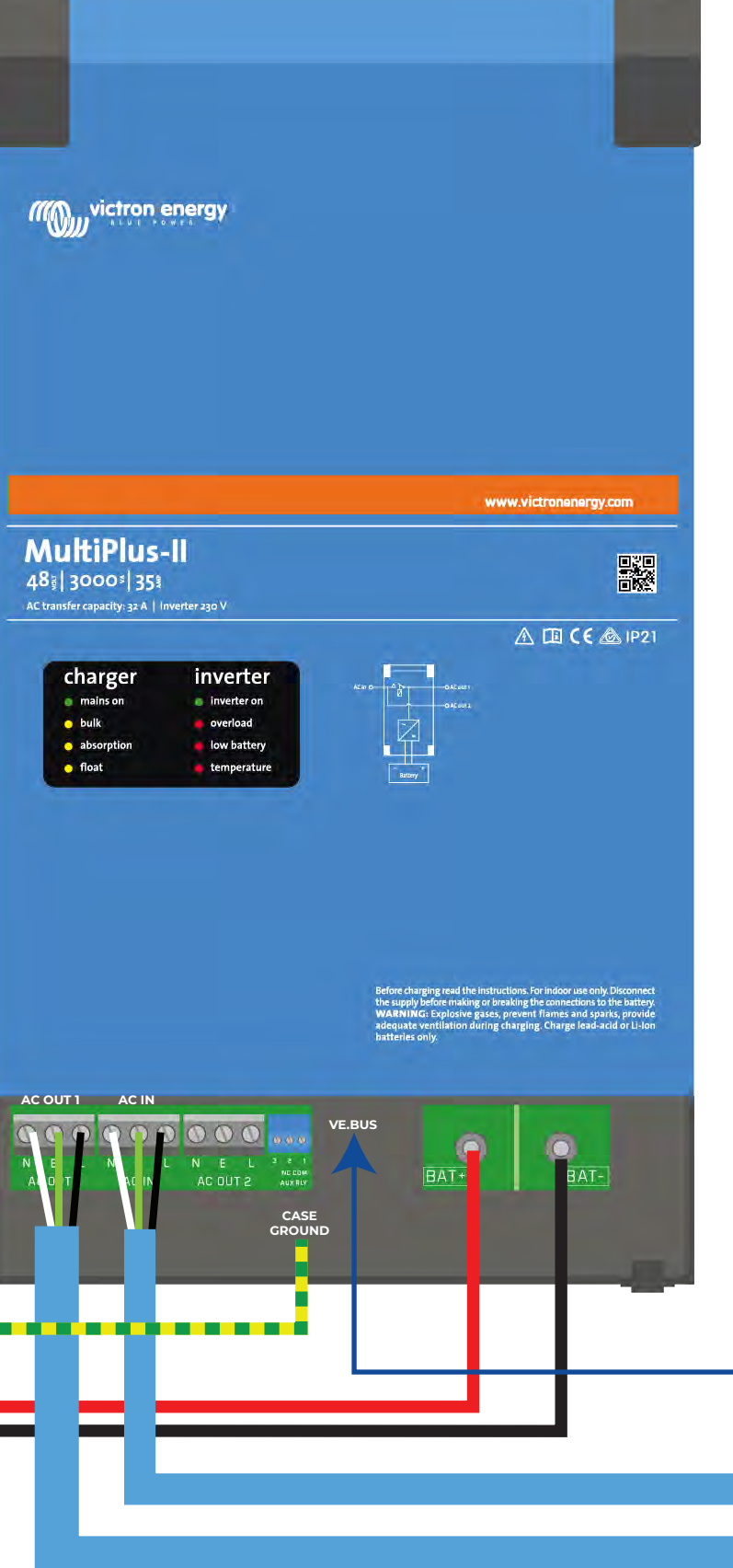
2x 48|12 - 30 DC-DC CONVERTER STEP DOWN 48-VOLT POWER TO 12-VOLT FOR DC LOAD CENTER



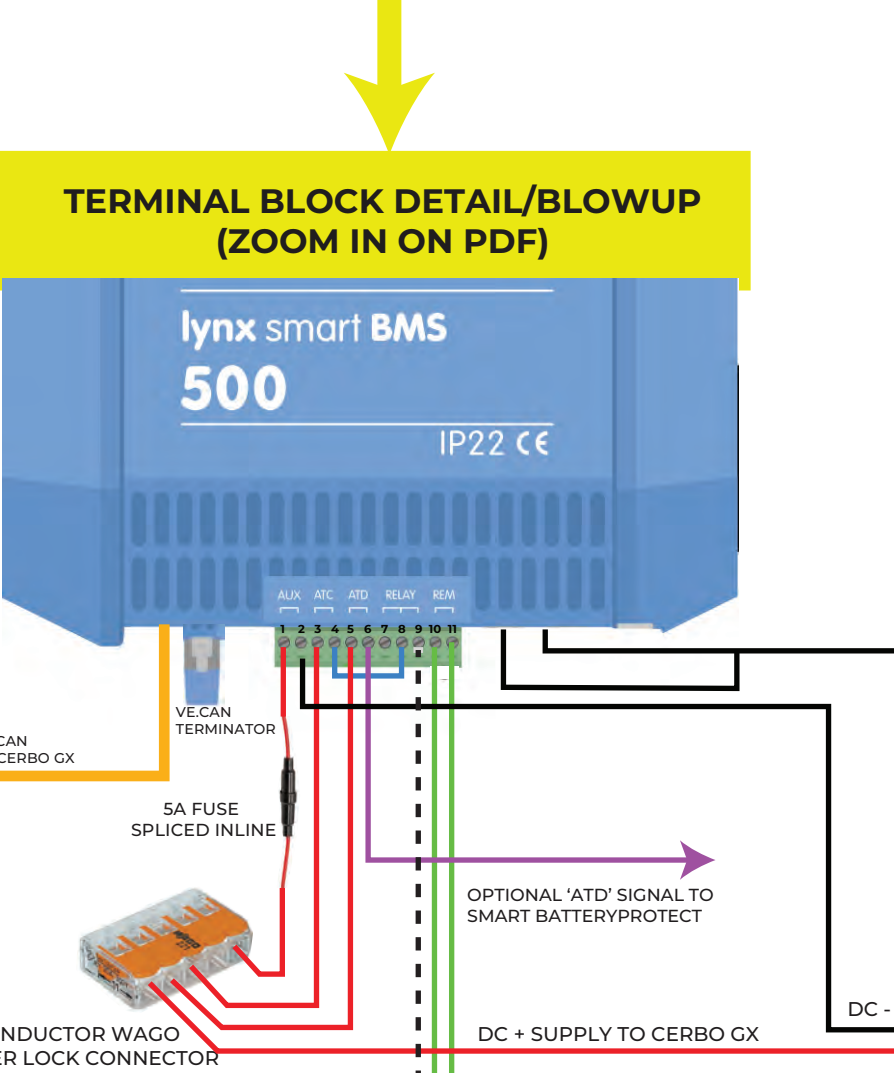
FURRION COMBO 120VAC AND 12VDC LOAD CENTER



MULTIPLUS II 48/3000/35 INVERTER/CHARGER



TERMINAL BLOCK DETAIL/BLOWUP (ZOOM IN ON PDF)



THE REMOTE TERMINALS ON THE LYNX BMS CAN BE WIRED TO A TOGGLE SWITCH AS SHOWN TO MANUALLY OPEN/CLOSE THE CONTACTOR IN THE BMS TO TURN THE SYSTEM POWER ON/OFF MUCH LIKE A TRADITIONAL MAIN DISCONNECT SWITCH BUT WITH THE ADVANTAGE OF COMMUNICATING SUCH A DISCONNECT WITH THE WAKESPEED PRIOR TO THE DISCONNECT HAPPENING THUS PREVENTING DISASTEROUS LOAD DUMP SITUATIONS.

5-CONDUCTOR WAGO LEVEL LOCK CONNECTOR TO DISTRIBUTE THE 12VDC FROM THE VAN TERMINAL TO VARIOUS RELAYS

DC - SUPPLY TO CERBO GX

SA FUSE SPliced INLINE

10 AWG CASE GROUND

10 AWG MC4 SOLAR WIRING

SOLAR DISCONNECT

ENTRY GLAND

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

10 AWG

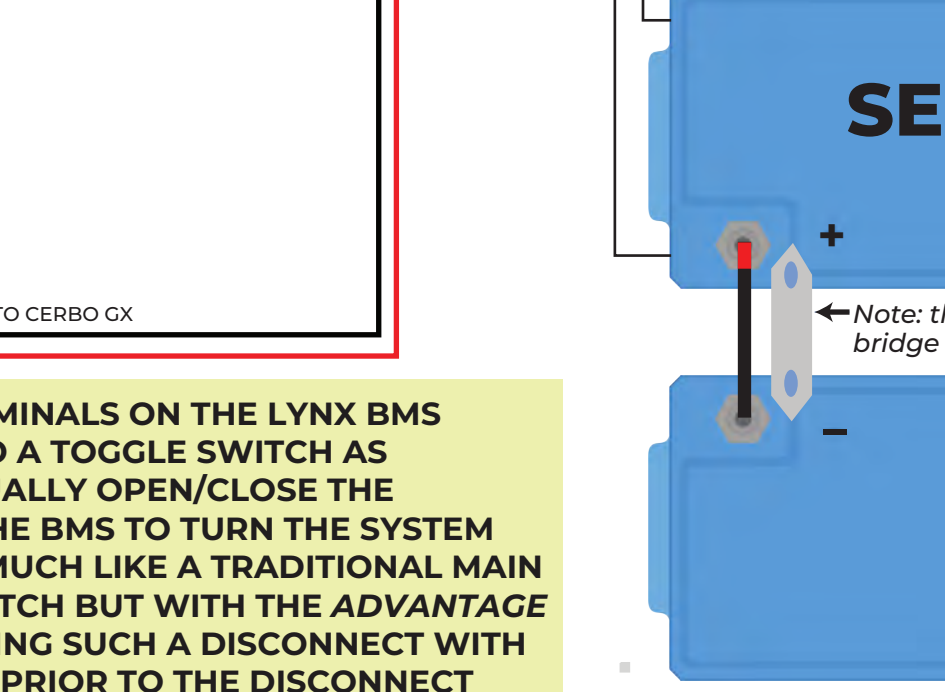
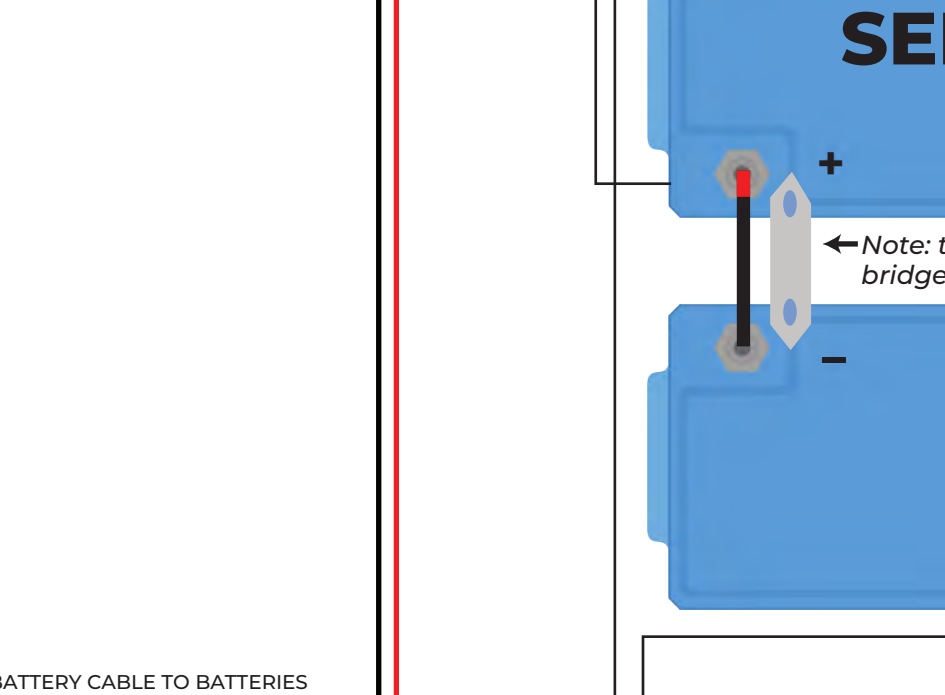
10 AWG

10 AWG

10 AWG

10 AWG

M8 BATTERY CABLES FROM BATTERIES TO BMS



Note: each battery should be pre-charged individually before installing into system: <https://bit.ly/pre-charge-batteries>

200A MRBF/TERMINAL FUSE

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

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1/0 AWG

1/0 AWG

2x - SETS OF SERIES BATTERIES THEN WIRED IN PARALLEL TO SYSTEM

- Each set is 2x 24V/200Ah Smart Lithium batteries wired in series. 25.6 nominal voltage per battery, 51.2 nominal voltage in series
- The 2X series sets are wired in parallel to the system at the Lynx Smart BMS
- Each "set" in series is a max of 2x batteries
- Each "set" in parallel is a max of 5 "sets"
- Recommended continuous discharge: ≤400A, recommended continuous charge ≤200A

LYNX SMART BMS

LYNX DISTRIBUTOR (SHOWN WITH COVER OFF)

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

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1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

CHASSIS GROUND

6 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

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1/0 AWG

SA INLINE FUSE

WAKESPEED DC+ POWER SUPPLY

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

1/0 AWG

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1/0 AWG

10/3 WIRE

HDMI VIDEO/USB POWER FOR TOUCH 50/70 SCREEN

10/3 WIRE

10/3 WIRE

10/3 WIRE

10/3 WIRE

10/3 WIRE

10/3 WIRE

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10/3 WIRE

10/3 WIRE

10/3 WIRE

6/3 WIRE

2X 6AWG WIRES CONNECT TO 12VDC POSITIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC NEGATIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC POSITIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC NEGATIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC POSITIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC NEGATIVE TERMINALS

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2X 6AWG WIRES CONNECT TO 12VDC POSITIVE TERMINALS

2X 6AWG WIRES CONNECT TO 12VDC NEGATIVE TERMINALS

WAKESPEED TO VICTRON CAN CROSSOVER CABLE BLACK SIDE TO WAKESPEED CAN PORT

WAKESPEED VAN HARNESS

WAKESPEED TERMINATOR

WAKESPEED VAN HARNESS