

VICTRON ENERGY - DISCOUNTED PRODUCT BUNDLE - *INTERNAL BMS* EXAMPLE WIRING DIAGRAM



VERSION 6 - JUNE 2024

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

SUPER AWESOME BUNDLE PRICE

FAST & FREE GROUND SHIPPING

NO SALES TAX TO MOST STATES

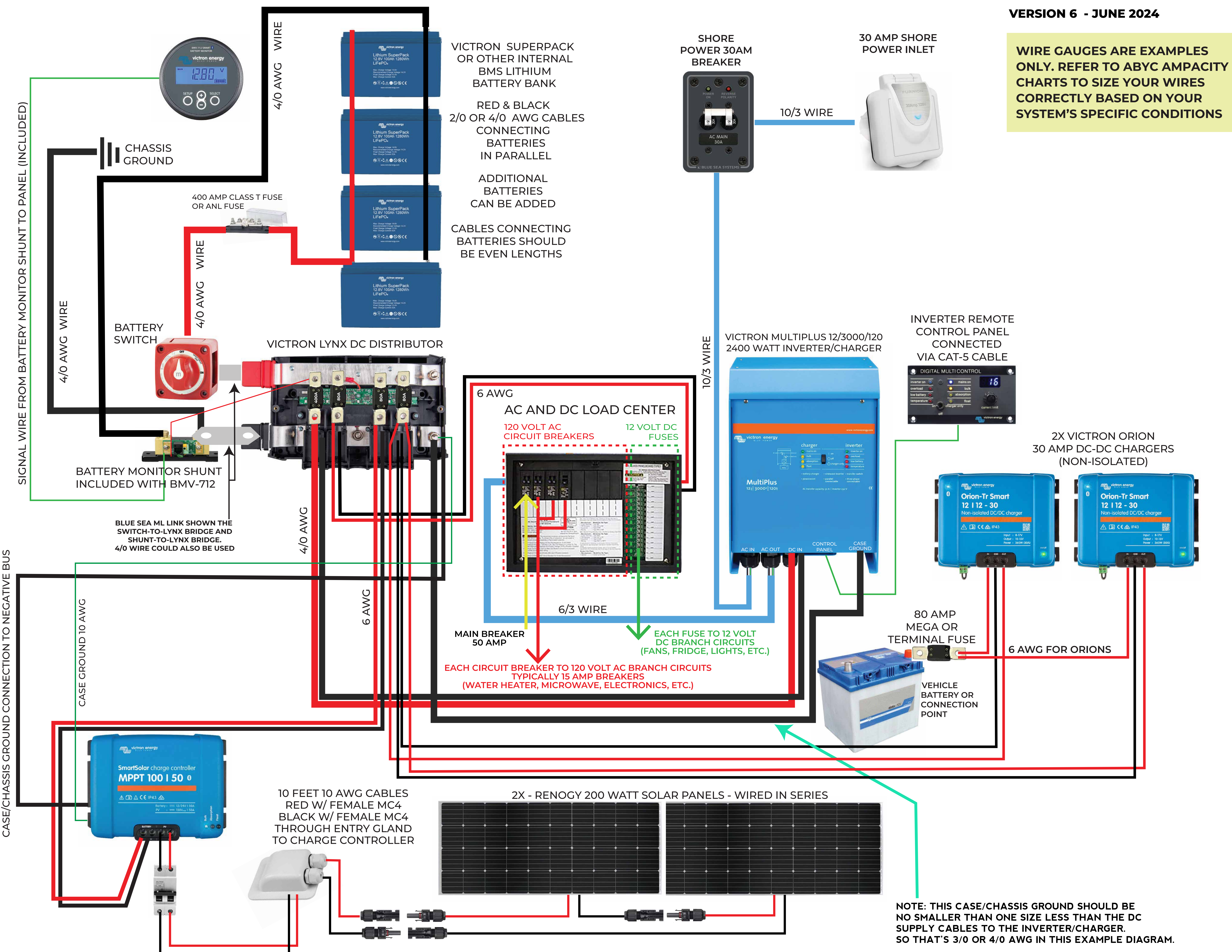
WORLD-CLASS SERVICE & SUPPORT

SCAN FOR DETAILS



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.

Pricing and offers subject to change.



SIGNAL WIRE FROM BATTERY MONITOR SHUNT TO PANEL (INCLUDED)

CASE/CHASSIS GROUND CONNECTION TO NEGATIVE BUS

CASE GROUND TO AWG

CHASSIS GROUND

BATTERY SWITCH

400 AMP CLASS T FUSE OR ANL FUSE

4/0 AWG WIRE

VICTRON LYNX DC DISTRIBUTOR

BATTERY MONITOR SHUNT INCLUDED WITH BMV-712

BLUE SEA ML LINK SHOWN THE SWITCH-TO-LYNX BRIDGE AND SHUNT-TO-LYNX BRIDGE. 4/0 WIRE COULD ALSO BE USED

4/0 AWG

6 AWG

6 AWG

6 AWG FOR ORIONS

80 AMP MEGA OR TERMINAL FUSE

VEHICLE BATTERY OR CONNECTION POINT

SmartSolar charge controller MPPT 100 | 50

2X - RENOGY 200 WATT SOLAR PANELS - WIRED IN SERIES

10/3 WIRE

SHORE POWER 30AM BREAKER

30 AMP SHORE POWER INLET

VICTRON MULTIPLUS 12/3000/120 2400 WATT INVERTER/CHARGER

INVERTER REMOTE CONTROL PANEL CONNECTED VIA CAT-5 CABLE

DIGITAL MULTI CONTROL

2X VICTRON ORION 30 AMP DC-DC CHARGERS (NON-ISOLATED)

Orion-Tr Smart 12 | 12 - 30 Non-isolated DC/DC charger

Orion-Tr Smart 12 | 12 - 30 Non-isolated DC/DC charger

6 AWG

6/3 WIRE

MAIN BREAKER 50 AMP

EACH FUSE TO 12 VOLT DC BRANCH CIRCUITS (FANS, FRIDGE, LIGHTS, ETC.)

EACH CIRCUIT BREAKER TO 120 VOLT AC BRANCH CIRCUITS TYPICALLY 15 AMP BREAKERS (WATER HEATER, MICROWAVE, ELECTRONICS, ETC.)

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