

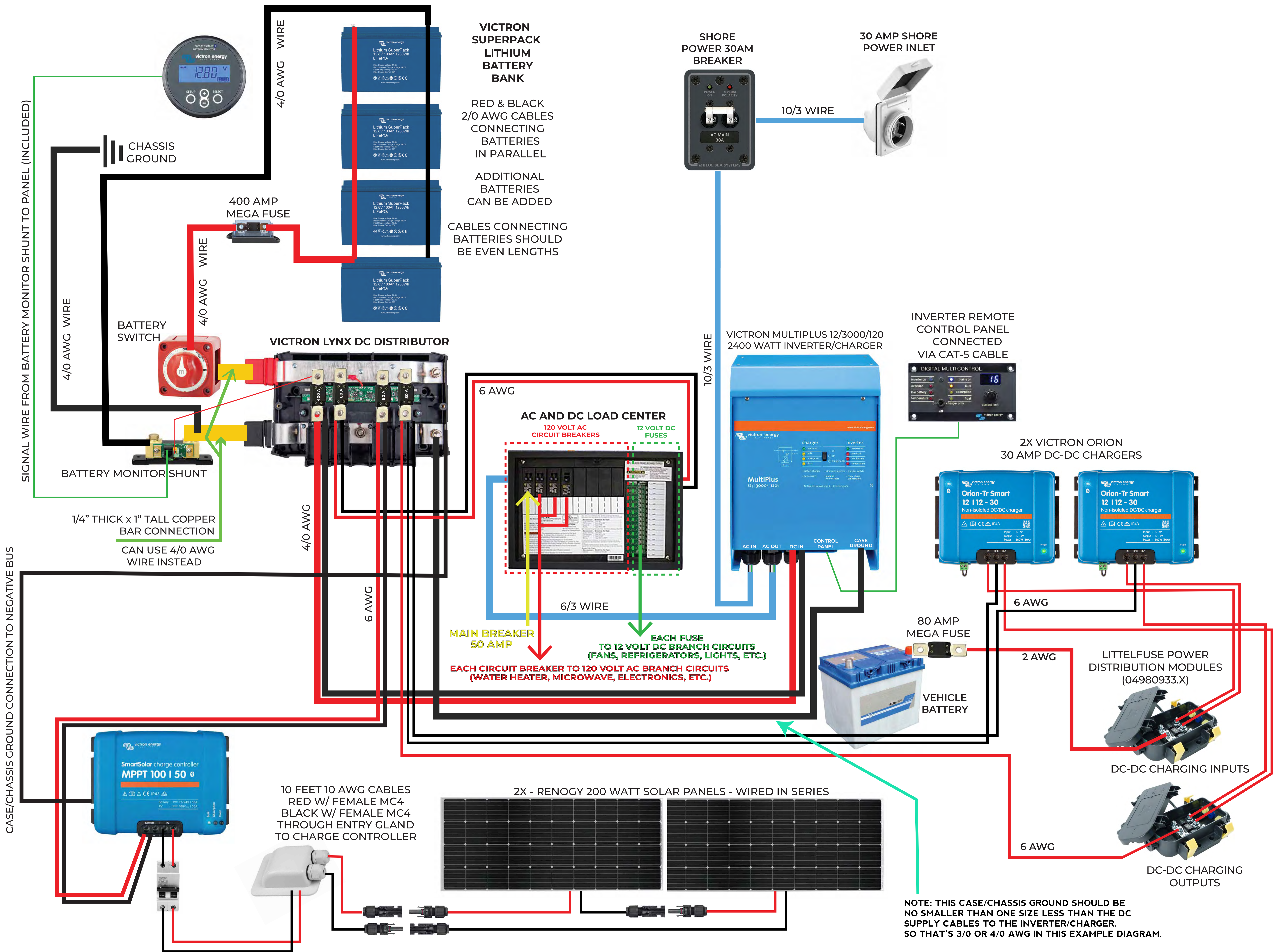


**VANLIFE**  
OUTFITTERS

### VICTRON CAMPER VAN ELECTRICAL SYSTEM

400 AMP HOUR LITHIUM BATTERY STORAGE // 400 WATTS SOLAR PANELS (ONLY 2X PANELS)  
60 AMP VICTRON ORION ALTERNATOR CHARGING (DC-DC CHARGER) // 2400 WATT INVERTER/120 AMP SHORE POWER CHARGING  
VERSION 3.0 - MARCH 2022

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.



SIGNAL WIRE FROM BATTERY MONITOR SHUNT TO PANEL (INCLUDED)

CASE/CHASSIS GROUND CONNECTION TO NEGATIVE BUS



CHASSIS GROUND

400 AMP MEGA FUSE

BATTERY SWITCH

VICTRON LYNX DC DISTRIBUTOR

**VICTRON SUPERPACK LITHIUM BATTERY BANK**

RED & BLACK 2/0 AWG CABLES CONNECTING BATTERIES IN PARALLEL  
ADDITIONAL BATTERIES CAN BE ADDED  
CABLES CONNECTING BATTERIES SHOULD BE EVEN LENGTHS

SHORE POWER 30AMP BREAKER

30 AMP SHORE POWER INLET



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

INVERTER REMOTE CONTROL PANEL CONNECTED VIA CAT-5 CABLE



2X VICTRON ORION 30 AMP DC-DC CHARGERS

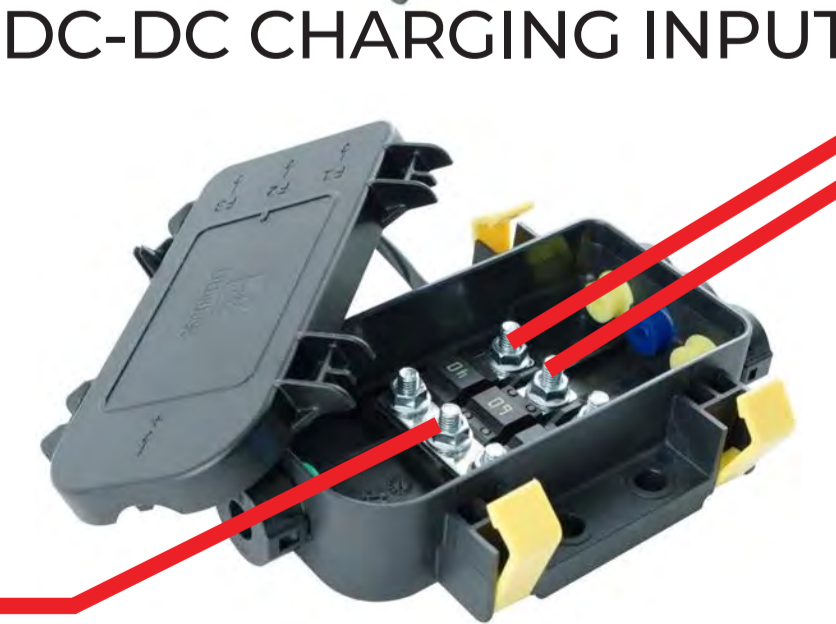
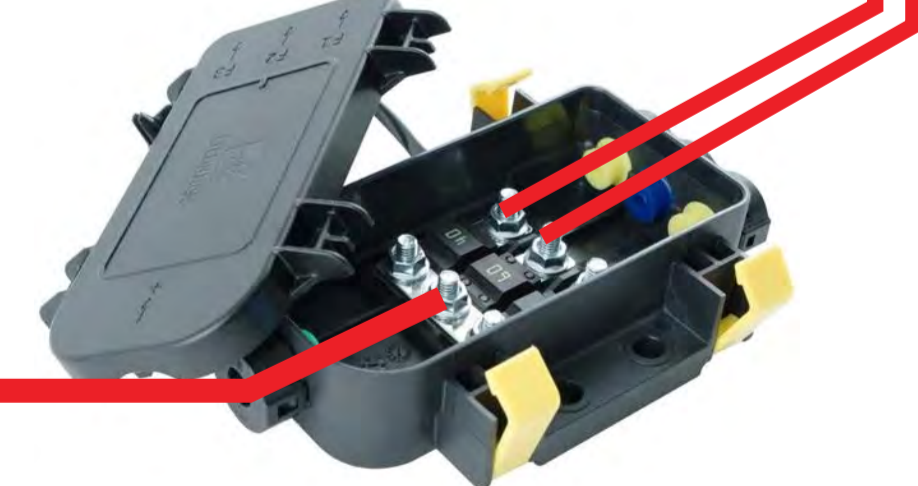


80 AMP MEGA FUSE



VEHICLE BATTERY

LITTELFUSE POWER DISTRIBUTION MODULES (04980933.X)



DC-DC CHARGING INPUTS

DC-DC CHARGING OUTPUTS

10 FEET 10 AWG CABLES RED W/ FEMALE MC4 BLACK W/ FEMALE MC4 THROUGH ENTRY GLAND TO CHARGE CONTROLLER

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



NOTE: THIS CASE/CHASSIS GROUND SHOULD BE NO SMALLER THAN ONE SIZE LESS THAN THE DC SUPPLY CABLES TO THE INVERTER/CHARGER. SO THAT'S 3/0 OR 4/0 AWG IN THIS EXAMPLE DIAGRAM.