EXPLORIST.life
30A OEM RV RETROFIT

BATTERIES
6X100AH BATTLEBORN LITHIUM BATTERIES
12V BATTERY BANK
INTERNAL/INTEGRATED BMS
400AH MINIMUM BATTERY BANK SIZE
MANY BATTERY SIZE COMBOS COMPATIBLE

SOLAR
MANY OPTIONS AVAILABLE
MAX OF 1450W OF SOLAR ON SINGLE CHARGE CONTROLLER
VISIT SHOP.EXPLORIST.LIFE FOR VARIOUS SOLAR WIRING KITS

INVERTER
VICTRON MULTIPLUS 3K – 12V – 2X120 INVERTER/CHARGER
3KVA INVERTING CAPACITY
120A DC CHARGING CAPACITY
POWER ASSIST

ALTERNATOR
VICTRON ORION TR-SMART 12-12 | 30A
30A CURRENT REGULATED CHARGING

GRID

GENERATOR

SHORE POWER PEDESTAL

30A SHORE POWER CORD

CAMPER SHORE INLET

OEM 30A RV DISTRIBUTION PANEL

12V DC LOADS

120V AC LOADS

BUILT-IN OEM 120VAC TO 12VDC CONVERTER

DISCONNECT ALL WIRES CONNECTED TO THIS AND/OR TURN OFF 120V BREAKER POWERING THIS CONVERTER

OEM BATTERY LOCATION (BUSBARS REPLACE OEM BATTERIES)

OEM INSTALLED 12V DC DEVICES AROUND CAMPER (POWER JACKS, SLIDES, ETC)

10/3

OEM TRANSFER SWITCH

IF CAMPER DOES NOT HAVE A BUILT IN GENERATOR, OEM TRANSFER SWITCH WILL NOT BE PRESENT AND CAN BE IGNORED FROM THIS DIAGRAM

OEM 10/3 WIRES

THE OEM 10/3 WIRE GOING FROM THE SHORE POWER INLET OR TRANSFER SWITCH TO THE 120V BREAKER BOX IS CUT SO THAT ADDITIONAL WIRE CAN BE ADDED TO WIRE THE SHORE POWER INLET AND TRANSFER SWITCH TO THE MULTI PLUS AC-IN AND THE MULTIPLUS AC-OUT CAN BE WIRED TO THE BREAKER BOX

EXPLORIST.life 10/3 SPLICE KIT

AFTERMARKET 10/3 WIRES

MANY SOLAR ARRAY COMBINATIONS AVAILABLE

SEE **SOLAR CHARGING WIRING KITS** AT:
SHOP.EXPLORIST.life
FOR ALL OPTIONS.

10 AWG (SOLAR)

12 AWG (SOLAR)

ALTERNATOR

STARTING BATTERY

OEM STARTING BATTERY

FUSE TYPE CAN CHANGE BASED ON YOUR VEHICLE AND ITS BILT CONNECTION METHOD

6 AWG

ANDERSON CONNECTOR

ANDERSON CONNECTOR

ANDERSON CONNECTORS FOR MAKING THE ALTERNATOR CHARGING CONNECTION ON A TOWABLE 5th WHEEL OR BUMPER PULL

IF THIS IS A CLASS A, B, OR C MOTORHOME, THIS IS NOT NECESSARY

ROOF ENTRY GLAND

victron energy lynx distributor 1000 DC

victron energy MultiPlus 12V | 3000VA | 120A

victron energy Orion-Tr Smart 12 | 12 - 30 Isolated DC/DC charger

victron energy SmartSolar charge controller MPPT - Tr 150-100

CHARGE CONTROLLER SIZE

OUTPUT WIRES PLUG SIZE CAN CHANGE DEPENDING ON SOLAR ARRAY CHOSEN

SOLAR ISOLATOR

2 AWG

4/0

CHASSIS

400A BATTERY BANK MINIMUM FOR POWERING THE VICTRON MULTIPLUS 3K – 12V

LARGER BATTERIES LIKE THE 230AH BATTLE BORN OG'S CAN BE USED INSTEAD FOR ADDITIONAL CAPACITY

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