Vanolin has a total of 800 watts of solar panels that feed its 700 amp hour AGM battery bank. Combined with a battery isolator for cloudy days, this provides enough power for 2 people to live and work full-time off-the-grid with NO PROPANE.

Sheep's wool insulation helps keep our small space non-toxic. The Wet Bath consists of a waterproof shower area with hot water and a composting toilet. Our plumbing system has a total capacity of 31 gallons and filtered water.

We fit at much as possible into our tiny kitchen area. The 12v fridge is large and affordable, and the dual radiant cooktop uses less energy than an induction cooktop. With some ingenuity, we created a small farmhouse sink. See how we make amazing van latte's in the "kitchen essentials" section!

This section includes items and parts used on the van's exterior (windows and roof rack), overhead cabinets, the parking heater, and super helpful essentials inside the van and in the garage area.

The majority of the product links below are "affiliate links." This means we make a small commission if you make a purchase after clicking one of our links, at no cost to you. We have truly used every single item listed below in our van build.
PRE-BUILD PARTS LIST

• TOOLS
  ◦ Jigsaw w/ blades
  ◦ Circular Saw
    ■ Extra Blades x 2
  ◦ Compound Miter Saw w/ blade
  ◦ Table Saw - The #1 tool we wish we had!
  ◦ Rivnut Setting Tool
    ■ M5 Rivnuts x 100
    ■ Large Hex Rivnuts x 50 (for rear bed supports)
  ◦ Call DB Roberts @ 800-800-9991, Part # AES37H115ZYR
  ◦ Sheet Metal Shears (for cutting FRP board in the wet bath)

SOLAR / ELECTRICAL PARTS LIST

• HighTec 200w 12v Solar Panels x 4 (800 watts total)
  ◦ 8awg Solar Wire
  ◦ Y-Branch Connectors
  ◦ MC4 Inline Fuses - 2x 15 amp, 1x 30 amp
  ◦ Waterproof Cable Glands
• VMaxTanks 350ah 12v AGM batteries x 2 (700ah total)
  ◦ 4/0 Battery Cable
• Renogy Battery Monitor
• EPEVER 60A MPPT Charge Controller
• WZRELB 3000w Inverter - with remote and hardwire port
• Battery Doctor 150A Battery Isolator
  ◦ We recommend a B2B Charger if you have the money
• Blue Sea Systems 600A 8-Stud Busbar x 2
• Blue Sea Systems 12v Fuse Block
• Marine Grade 12v Duplex Wire, 12 gauge, 100 feet
• Marine Grade 12v Duplex Wire, 14 gauge, 100 feet
  ◦ Use a wire size chart to determine the size for your needs
INSULATION PARTS LIST

- Havelock Wool Insulation
  - 2 batts of R7 (2" thickness) + 1 batt of R13 (3.5" thickness)
- 3M Thinsulate - One 10' x 60" roll
- Reflectix - One 10' x 48" roll
- Front Window Heatshield
- Side Windows Heatshield
- Sliding Door Window Insulated Cover

SHOWER / WET BATH PARTS LIST

- Nature's Head Composting Toilet
  - Rubber Grommet - Fits toilet vent tube
- FRP Board - Smooth white available at building supply stores
  - FRP Adhesive
- Bosch 4-gal Hot Water Heater
- 24x36" Shower Pan
  - Shallow 90-degree Drain
- Stoett Nautilus Retractable Shower Door
- Black Shower Faucet
- Black Shower Arm
- Black Shower Head
- Adhesive Soap Dispenser
- Wooden Shower Mat - Cut to fit

PLUMBING:
- Valterra 27-gal Fresh Water Tank
  - 3/8" threaded to 1/2" hose adapter x 2
  - 3/8" drain
- Shurflo 12v Water Pump
- Shurflo Accumulator Tank
- Shurflo Strainer
- Shurflo Silencer Kit
- APEC Water Filtration System
- 1/2" PEX - Crimp Tool & Crimp Fittings

Wooden Shower Mat - Cut to fit
KITCHEN PARTS LIST

- Truckfridge TF-130
- Ramblewood 110v Dual Burner Radiant Cooktop
- Vigo Bavaro Matte White Stone Sink
- Matte Black Faucet
- Matte Black Soap Dispenser
- Matte Black Water Filter Faucet
- Butcher Block Countertop
  - Stained/Sealed with Pure Tung Oil + Citrus Solvent

VAN KITCHEN ESSENTIALS

- Electric Hot Water Kettle
- Moka Pot for Coffee
- Electric Milk Frother
- Nutribullet Pro
- Insulated Stainless Steel Mugs
- Banana Hammock
- Ceramic Knife Set w/ Sheaths
- "Plastic" Biodegradable Wheat Bowls
  - and Wheat Plates
- Subway Tile Kitchen Backsplash
EVERYTHING ELSE

- **OVERHEAD CABINETS:**
  - Kreg Jig
  - Cabinet Hinge Drill Bit
  - Cabinet Hinges
  - Black Cabinet Pulls
  - Gas Struts - these actually keep the overhead cabinets closed too
  - RV Cabinet Door Latches - only used on lower cabinets

- **WORK STATIONS:**
  - Seatback Laptop + Workspace Organizer
  - Custom Foam Cushions - We also ordered our mattress from here
  - Passenger’s Seat Swivel Base
  - Lagun Table Mounts x 2
  - Safe

- **INTERIOR ESSENTIALS:**
  - Colorful Runner Rug
  - Diamond Mirror
  - Gooseneck Reading Light
  - Maple Laminate Flooring
    - Our flooring is discontinued
  - All-Weather Cab Floor Mat
  - LED Ceiling Lights
  - LED 12v Dual Zone Dimmer

- **GARAGE:**
  - Bike Mounts
  - Traction Boards
  - Shoe Holder
  - Expandable Hose
  - Telescoping Ladder

- Espar B4L 12v Gas Parking Heater - We don't recommend Heatso.com
• **VAN EXTERIOR:**
  - Rear Sumo Springs
  - Front Sumo Springs
  - Vantech Roof Mounts
  - Unistrut for Roof Rack
    - Unistrut Cone Nuts (buy appropriate bolt thread size)
  - CR Laurence Sliding Door T-Vent Window for Ram Promaster
  - CR Laurence AW1033 Awning Bunk Windows
  - MaxxAir MaxxFan Deluxe
    - Dicor Self-Leveling Lap Sealant
    - Dicor Butyl Tape

Thanks for downloading our Van Parts List PDF. Before you close this, don't miss our layout dimensions & diagrams on the next page.

Has this PDF been helpful to you? Say thanks by following along with our travels and adventures! Here's how you can stay in touch:

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LAYOUT DIAGRAMS & DIMENSIONS

LOAD FLOOR LENGTH
145.9”

INTERIOR WIDTH (AT SIDE PANEL)
75.6”

INTERIOR WIDTH (AT WHEEL WELL)
55.8”

INTERIOR HEIGHT
76.0”

CARGO VOLUME (MAX, CUBIC FEET)
420.2

VEHICLE HEIGHT
99.4”

159” WHEELBASE

2x4 Framed Wall for Shower Plumbing

1/2" plywood wall

Insulated Wheel Well Box

Batteries

Full Bed 54x74”

Laundry Drawer

Wet Bath 24x36” Shower Pan

Mountain Bikes
36” height to bottom of bed frame
60” length

27 gal Water Tank - 54x16x8”

6” Shelf at Bed Height
(Necessary to fit length of mountain bikes below)

Bench Seat
45x24”
15.5” height

22” wide at shower

Aisle
25” wide at bench

80” from bed to front step

Sink 14.5x14.5”

Kitchen 49.5x25”

Cocktop 11.4x20”

31.5” opening

Heater
Under Passgner Seat

8” Insulated Step to Cab
LAYOUT DIAGRAMS & DIMENSIONS

Overhead Cabinets
Made from 1/2" birch plywood, a 1x2 face frame, and 3/4" plywood doors.