



Overland Explorer Vehicles  
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# 2023 SUMMIT Expedition Cabin Specification

## Dimensions

<i>main cabin exterior dimensions:</i>	151" L x 85" W x 80" (floor)
<i>over cab exterior dimensions:</i>	60" L x 85" W x 44" H
<i>main cabin interior dimensions:</i>	147" L x 81" W x 77" H
<i>over cab interior dimensions:</i>	62" L x 81" W x 41" H
<i>roof thickness:</i>	54 mm OEV Composite
<i>wall thickness:</i>	54 mm OEV Composite
<i>Sub floor thickness:</i>	25.4 mm OEV Composite
<i>DPBS (dynamic pivoting base structure):</i>	hybrid composite and aluminum enclosed fully isolated and insulated structure, by means of multiple isolation points plus a pivot point this allows the chassis and the cabin to articulate independently of each other

## Cabin Exterior Finish

<i>composite materials:</i>	OEV panels are factory gelcoat white
<i>exoskeleton:</i>	6063 aluminum extrusions are powder coated white to match panels

## Windows

<i>standard:</i>	dual pane acrylic with built in bug screen and heat reflective blinds
<i>number of windows:</i>	(5) windows
<i>sizes:</i>	(2) in bedroom (300mm x 500mm), (2) in dinette (500mm x 700mm), (1) in galley (500mm x 700mm)

## Roof Hatch and Roof Fans

<i>roof hatch:</i>	25" x 25" – glass marine hatch over the front bed
<i>maxxair 7500 10 speed fan:</i>	12" x 12" - standard above galley area with shade and led light, roof mounted
<i>maxxair fan:</i>	6" round w/LED light in the wet bath, wall mounted

## Entry Door

<i>style:</i>	double cam Lock w/window and fully insulated
<i>keyed:</i>	to match the cabin storage compartment door(s)

## Cabin Exterior Storage Compartment Doors

<i>style:</i>	fully insulated w/powder coated aluminum lockable t-handle
<i>keyed:</i>	to match the entry door

## Roof Rub Rail/Rear Ladder/Entry Stairs

<i>roof rub rail:</i>	designed to prevent branch damage to roof elements - powder coated aluminum – adds 3” to overall height
<i>rear ladder:</i>	custom fold up OEV aluminum powder coated ladder with anti-skid rungs
<i>manual steps:</i>	illuminated and enclosed in an aluminum powder coated cabinet

## Under Body Storage Cabinets:

<i>various sized storage cabinets:</i>	(6) -custom powder coated aluminum w/piano hinged doors- keyed the same. one is designed to house a 2200i honda generator
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## Standard Electrical System

<i>AC breaker:</i>	4 positions
<i>DC breaker:</i>	8 positions
<i>ac wiring package:</i>	(3) Interior and (1) exterior plug and a 30-amp shore power plug
<i>dc wiring allowance:</i>	all wiring to the battery bank, roof pass through, connectors and installation
<i>usb plugs:</i>	(4) - double style (usb and "c" styled)
<i>12V auxiliary:</i>	(1)- cigarette lighter style
<i>LED side light:</i>	by access steps/entry door - amber
<i>LED ceiling interior lighting package:</i>	dimnable multiple puck style, dinette on separate switch
<i>LED 21.5" heavy duty light bar:</i>	above cooking galley
<i>LED reading lights:</i>	(4) - located in bedroom and dinette
<i>LED scene lighting package:</i>	located on the rear and both sides of cabin - 1"x4" LED's (guarded)
<i>victron power package:</i>	(1) - 12v/3000W/120V multiplus inverter, (1) - 100/50 mppt solar controller, (1) orion tr smart 30 dc-dc charger, (1) cerbo gx and gx touch display monitor w/bluetooth

## Solar

<i>panels:</i>	(6) - 200W panels (1200W total), up to 10A/hr/panel recharge in ideal conditions - class1/div1 - hail proof, roof mounted w/air space
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## Battery

<i>battery pack:</i>	(1) – 12v 320Ah gtx lithionics LiFePO4 battery – UL rated, there is room for up to (6) batteries for a total of 1920Ah (see options for additional battery pricing), remote control on-off never die switch and cables/ampseal-23 wiring harness
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## Plumbing

<i>freshwater tank:</i>	(2) – 38-gal (144L) certified potable LLDPE tanks
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<i>gray water tank:</i>	(1) - 26-gal (98 L) Aluminum
<i>water pump:</i>	flo jet - 30 psi with serviceable pre-filter
<i>chassis glycol tie in:</i>	can be manually valved by hand to maintain cabin temperature while traveling using an exchanger and fan - only functions while driving or idling
<i>plumbing lines and fittings:</i>	low temperature colour coded PEX
<i>hot water on demand:</i>	webasto/espar boiler w/proprietary OEV system w/warm up valve (re-directs water back to the freshwater tank until the tempered water reaches all fixtures - reduces waste)
<i>water purification:</i>	guzzle h2o 12v led-uv-c water purification w/carbon filter to improve taste

## Heating/Cooling

<i>cabin heating:</i>	via webasto/epar heater, forced air with modulating fan, has a remote thermostat
<i>roof top dc powered air conditioner:</i>	nomadic air 12V 2000 series = 9830 Btu

## Fixtures

<i>wet bath:</i>	includes teak medicine cabinet w/mirror, teak grate, towel bar plus hanging bar for wet gear
<i>toilet:</i>	see options for choice of (3) different styles
<i>outside shower:</i>	Sagiv plug in valve and hose/nozzle on the driver side exterior w/ a 2.5m (8') extension hose
<i>kitchen sink:</i>	s/s 9" deep marine sink w/tall "J" handle faucet

## Appliances

<i>induction cook top:</i>	kenyon built in dual burner
<i>Fridge:</i>	isotherm inox light 160L drawer styled fridge and freezer

## Interior Furniture

<i>cabinets:</i>	all powder coated aluminum with shelves - see layout drawing
<i>doors:</i>	Starboard doors for upper and lower cabinets with cast chrome positive close latches – (2) colours available – black and gray
<i>drawers:</i>	full length powder coated aluminum drawers
<i>countertops:</i>	sealed bamboo – ¾" thick
<i>table:</i>	telescoping pedestal leg w/3/4" thick bamboo table w/under table storage compartment to fit a laptop
<i>u-shaped dinette:</i>	61" x 81" folds down into bed with 4" med density foam with removable marine grade fabric – choice of (3) colours
<i>high traffic grade vinyl flooring:</i>	lonseal commercial vinyl, anti bacterial/microbial - choice of (3) patterns
<i>fire extinguisher:</i>	standard RV 5 lb dry chemical
<i>smoke detector:</i>	with CO monitor

## Exterior Items to the Chassis

<i>heavy duty rear bumper:</i>	OEV custom, Led lighting, 2.5" receiver hitch, factory back up camera
<i>tire carrier:</i>	manual rear fold down, no need to lift from an awkward height
<i>arb compressor:</i>	dual stage with (1) quick connect and coiled hose
<i>rear wall molle panel:</i>	ideal to secure items such as maxtrax, etc...

Please note, this specification is subject to change without notice due to product availability, supply change issues or product changes or upgrades. While OEV will do its best to avoid any such changes, but it may be unavoidable, as such, OEV may not have time to consult our customer to keep the build tracking on schedule.