



Overland Explorer Vehicles
www.overlandex.com

2023 SUMMIT Expedition Cabin Specification

Dimensions

<i>exterior external dimensions:</i>	150" L x 84" W x 80"
<i>over cab external dimensions:</i>	60" L x 84" W x 38" H
<i>main cabin interior dimensions:</i>	146" L x 79.75" W x 77.9" H
<i>over cab interior dimensions:</i>	62" x 79.75" x 33.75"
<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>	(4) windows
<i>sizes:</i>	(2) in bedroom (300mm x 500mm), (2) in dinette (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
<i>maxxair fan:</i>	6" round w/LED light in the wet bath

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
<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>	(5) - 200W panels, 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 (4) batteries for a total of 1280Ah (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
<i>gray water tank:</i>	(1) - 26-gal (98 L) Aluminum
<i>water pump:</i>	flo jet - 30 psi

<i>chassis glycol tie in:</i>	can be valved 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 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 - XXXX 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>	thetford C 223CS-series cassette style
<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 marine sink w/tall "J" handle faucet

Appliances

<i>induction cook top:</i>	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
<i>drawers:</i>	full length powder coated aluminum drawers
<i>countertops:</i>	sealed bamboo
<i>table:</i>	telescoping pedestal leg w/bamboo table w/under table storage compartment
<i>u-shaped dinette:</i>	folds down into bed with 4" med density foam with removable marine grade fabric
<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...