

# TERRAINHOPPER®

CREATED FOR ADVENTURE





## Overlander 4ZX





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*TerrainHopper manufactures the Overlander 4ZX, the ultimate all-terrain wheelchair that can handle any tough terrain you throw at it! With a ground clearance of 250 mm and the ability to climb inclines up to 35%, you can easily conquer mud, sand, snow, rocks, hills, and even thick undergrowth. It's perfect for anyone who loves exploring the great outdoors without any hassle. The Overlander 4ZX has 4 powerful motors and an all-round suspension system that makes it easy to navigate even the most challenging trails. With the Overlander 4ZX, you can finally get back to the freedom of exploration you've been dreaming of. No more limits on where you can go or what you can do. So, if you're ready to take on any terrain and get your freedom back, the Overlander 4ZX is the way to go. Are you ready for an adventure?*

## Summit of Pen y Fan



Peak District





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TerrainHoppers can be driven with either handlebar/throttle or joystick controls or with both types of control. We are the only off-road mobility vehicle on the market with dual control capabilities. Our long wheelbases and low center of gravity makes it the most stable 4-wheel drive off-road mobility vehicle.

One of our special features is the unique patented suspension system making a comfortable ride over the most undulating surfaces; such as rocks, deep mud, dry sand, snow, steps or kerbs.

Our products are used by all age groups, men, women and children with varying degrees of disability, such as; spinal injuries, paraplegia, MND, Muscular Dystrophy, MS, Cerebral Palsy, amputees and by those who may have lost their capability to hike and explore the outdoors but not their passion for it!

TerrainHoppers are British designed and built using state of the art technology. They are CE approved Class 2 and Class



Pebbly beach, no problem



Rocky riverbeds, done with ease



## Overlander 4ZX

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Above: A closeup of new 4ZX dashboard, and standard handlebars. Foldable steering available to reduce overall maximum height to 950mm.



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Spanish Hills



Some of the main features of the Overlander 4ZX are:

- True 4-wheel drive.
- All round independent suspension system.
- Two separate electrical systems, one set powers the front motors and the second set powers the rear. If one set should fail, you can drive in 2-wheel drive to get you home.
- Side roll bar lifts for easy access and not only looks good but offers some form of protection.
- Adjustable seating and backrest (chair folds for ease of transport).
- Adjustable steering to suit your personal needs.
- You can steer using handlebars (throttle) or joystick control or both, see our options.
- Maximum user weight 30 stone /190kg



## Dual Steering

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There is an option to have both manual and joystick steering. This is unique and is not available on any other product. The advantages are:

- For those who wish to use throttle steering but may lack the stamina or strength to do the entire journey manually, you can change over to joystick control.
- When faced with difficult terrain, the joystick can take all the hard work from maneuvering, then changing back to the throttle when the terrain gets easier.
- The joystick can be operated by someone standing beside the Overlander to assist or take over from the user if it is safe to do so.







## What's standard?

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- *All round suspension*
- *Mirrors*
- *Roll bar opening on one side*
- *Ex Moor Trim seat*
- *Lap belt 4 x motors*
- *LED Front light*
- *LED Rear light Indicators*
- *Handlebar*
- *Steering with throttle control*
- *Choice of smooth or knobbly tyres*
- *Security Key*



Standard Seat



Indicators & brake lights



## What's Optional

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- Joystick control
- Dual Steering
- Attendant Control
- Waterproofing
- Extended chassis length from 1675m to 1825mm
- Wind screen
- Overhead Roll bar
- All round disc brakes
- 4 or 5 point harness
- Winch
- Seat options see aside, contact us if you have specialist requirements.
- Additional lights
- Roll bar to open both sides
- Adjustable footrest
- Additional lithium batteries
- Additional wheels
- Hitch Receiver
- Rear Platform
- GiviBox



Tillett B6 F



Exmoor Trim Seat



Corbeau Sportsman  
reclining seat



Tillett W1i



Get your feet wet and opt for waterproofing



## **Basic**

### **Customisations:**

*Simple modifications such as leg restraints, headrests etc upon request.*

## **Advanced**

### **Customisations:**

*Forthose requiring adaptations or additional performance, hi-tec materials can be introduced at additional cost i.e. Carbon Fibre/Kevlar. Please contact us for a consultation.*



Bespoke controls to suit customers needs

Customised position of joystick controls



**British designed & manufactured**



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## Dimensions & Weights

(in mm & kg)

### Overlander 4ZX

Standard Width 'W': 850mm

Standard Length A: 1675mm or with winch  
1775mm.

Extended chassis A: 1825mm or with  
winch 1925mm

Height C: (seat folded height) 1100  
Unfolded Height 1400

Height E: Fixed part of Roll Bar 1020mm  
(adjustable steering option reduces height  
to 950mm)

Overhead Roll bar\*\* (adult X: 1750)

Ground Clearance: 250mm

Seat Adjustment: SA 300 mm  
(from fixed position)

### SPECIFICATIONS MOTORS:

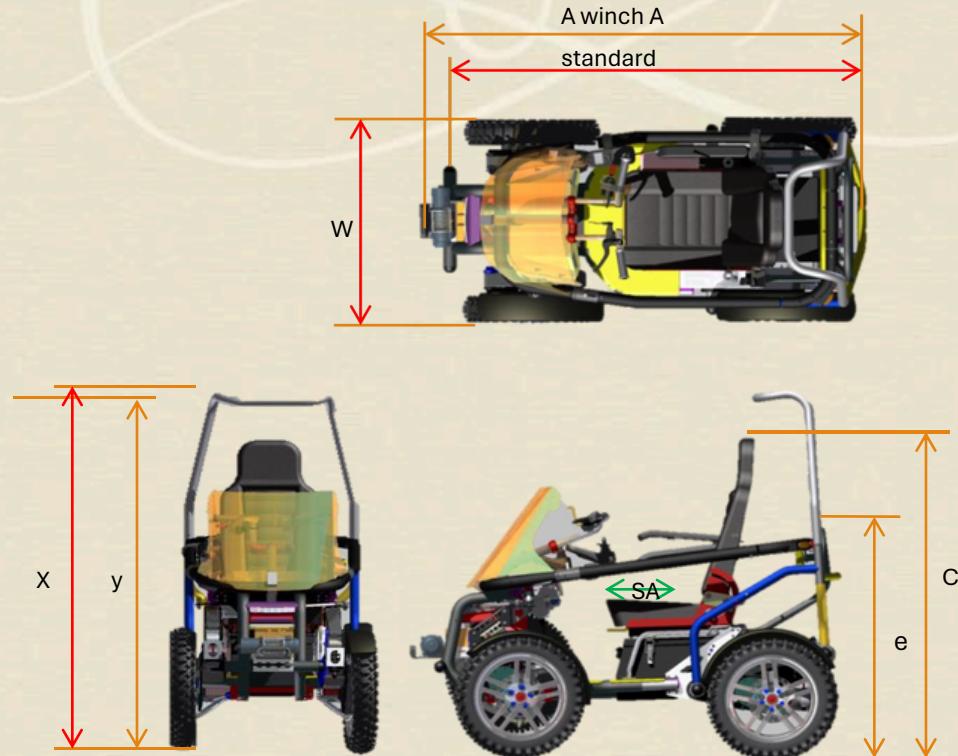
4 X 750 Watt up to 3000 Watts of peak rate  
power

### BATTERY RANGE

100 AH approximately 20 miles

200AH approximately 40 miles

Weight of user, terrain and ambient  
heat can reduce the range





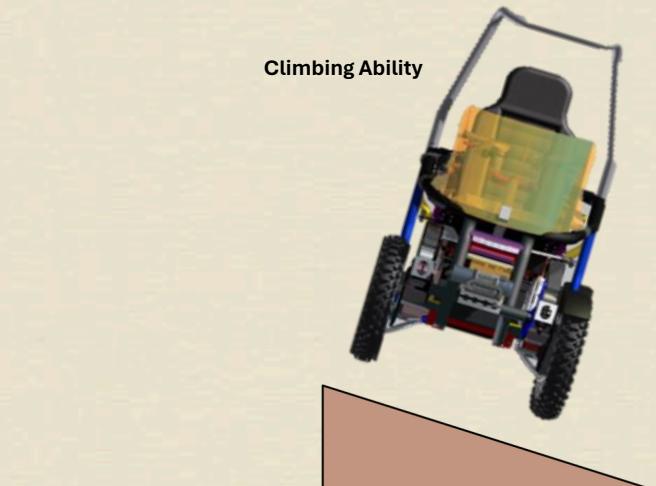
## Overlander 4ZX

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	Overlander 4ZX		
Speed Options	4mph gearing	6mph gearing	8mph gearing
Ground Clearance	250m	250m	250m
Maximum side tilt	m 20°	m 20°	m 20°
Max Gradient	35° 45°	25° 45°	15° 45°
Max Descent	3.2m	3.2m	3.2m
Turning Circle			
Max carrying capacity	30 stone/190kg		



Climbing Ability



Tilt

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