



Ecosmart

12

12ft mobile welfare unit range, with Ecosmart technology built in as standard. Available with 2 layout options and a variety of upgrades.

The Ecosmart 12 has running hot water, heating system, microwave & kettle. Canteen space for up to 8 people depending on layout, plus a toilet and drying room.

The Ecosmart 12 has a host of environmentally sensitive features, including PIR activated lighting that helps to cut down on energy use and running costs.

Each unit is fitted with stainless steel worktops, stainless steel sink & seamless high gloss wall surfaces for effortless cleaning and long durability.

Built for a tough life

Unique patented, high strength, composite panels

Ecosmart technology

Intelligent, efficient operation

 **6-8**

Depending on chosen layout



UP TO **6h** LED
UP TO **4h** without generator⁽¹⁾

 **30^s**

Quick, setup. No nonsense hydraulic axes⁽²⁾

 **+ 250kg PAYLOAD**

Tow safely and legally
Site ready + 250kg capacity for tools

Ecosmart 12

As standard

Canteen

- Table & bench seating
- Running hot water
- Electric 230v heating
- Diesel 'Air' heating system ('Air' only)
- Microwave / kettle
- Durable stainless steel worktop
- Stainless steel sink
- PIR activated 12 volt LED lighting
- Carbon monoxide detector
- Fresh, waste & drinking water containers
- Soap, towel & cup dispensers
- Consumer unit with electrical certificate
- Generator timed controller
- Fuel gauge
- USB charging sockets
- 12 volt charging socket ('Air' only)
- Low battery light indicator ('Air' only)
- Digital battery monitor/voltmeter ('Air' only)

Power

- High cycle AGM battery ('Air' only)
- 12v leisure battery
- Battery protection
- Battery charger
- HVO Compatible Stage V Diesel generator
- Diesel tank
- 12 volt hydraulic pump
- Low level fuel cut off

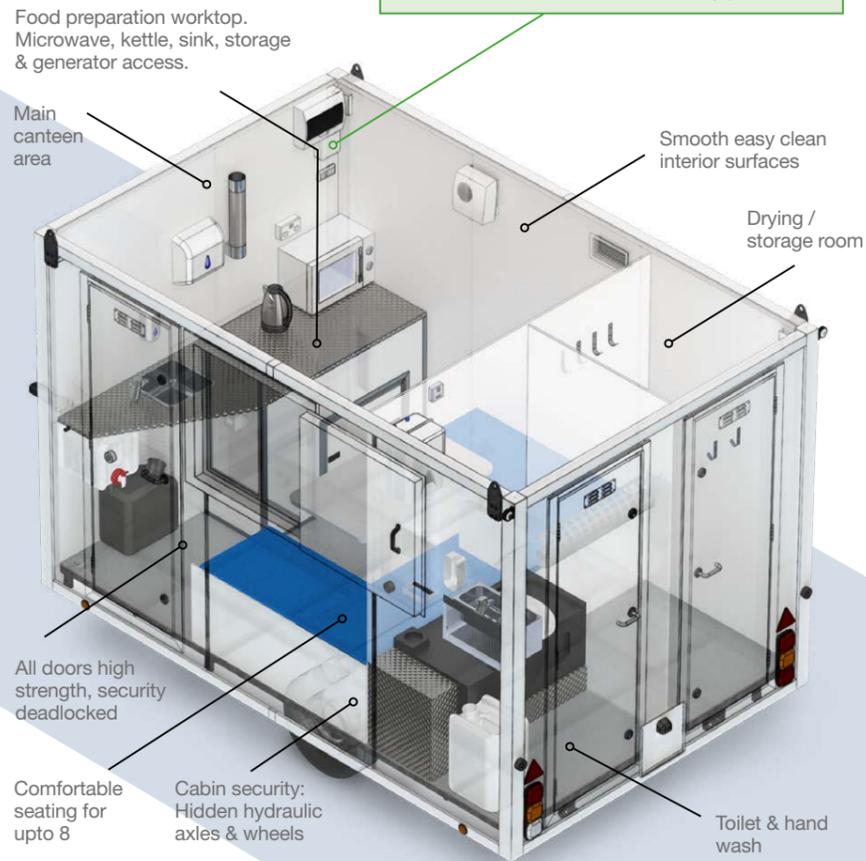
WC

- Re-circulating flush tank toilet 80 litre capacity
- Sink to wash up to forearm
- Running hot water
- Coat hook
- Soap dispenser
- Towel dispenser
- Toilet roll holder
- PIR activated LED light

Drying Room

- Coat hooks
- PIR activated 12 volt LED light
- Blown air heating outlet ('Air' only)
- Electric 230v heating

Ecosmart technology Minimises power usage of the generator, to operate in the most efficient way possible.



without generator⁽¹⁾



without generator⁽¹⁾

1900kg
Gross weight

1690kg
Unladen weight

VEHICLE
CERTIFICATION
AGENCY
Approved

HEALTH & SAFETY
EXECUTIVE
Compliant

External

Walls: Constructed from unique patented (2448660) high strength composite panels. Galvanised steel exterior, seamless GRP interior and high density foam insulation

Roof: Seamless insulated composite panel.

Floor: 15mm plywood with slip and wear resistant phenolic coating.

Wheels: 195R 14" Low profile wheels & tyres.

Chassis: Heavy duty galvanised steel. Electric type approved hydraulic axle.

Doors: 3 x high security composite doors with 2 deadlocks. Double doors to generator with 2 deadlocks.

Window: Aluminum with security door locked internally with thumb turn deadlock.

Lights: Built in road lights with removable number plate brackets.

250kg PAYLOAD

Diesel Water 250kg Tools

Tow safe & legal

Fully loaded & site-ready, there is a spare 250kg payload for your tools!

Choose a layout



Open Plan

Large worktop space in canteen, seating for 6



Xtra

Space saving canteen area, seating for 8

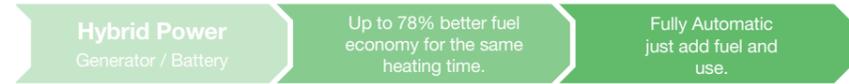


Optional
upgrades &
extras



Scale up your eco-potential to ZERO emissions. Solar + alternative power sources.

Hybrid power saving potential



EcoSmart

Hybrid Power HVO Generator / Battery

- Heating: Fan heater
- Water Pump
- Kettle Microwave
- LED Lighting
- Battery Charging: Push button start
- Hydraulics

Instant Hot Water
4 minutes warm up
= 4 hours hot water on demand

EcoSmart 'Air'

Hybrid Power HVO Generator / Battery

- Heating: Diesel & battery
- Water Pump
- Kettle Microwave
- LED Lighting
- Battery Charging: Push button start
- Hydraulics

Instant Hot Water
4 minutes warm up
= 4 hours hot water on demand

AutoSmart

Automatic Self charging hybrid HVO Generator / Battery

- Heating: Diesel & battery
- Water Pump
- Kettle Microwave
- LED Lighting
- Automatic Battery Charging
- Hydraulics

Instant Hot Water
4 minutes warm up
= 4 hours hot water on demand

Improve charge times

Extra solar input charges batteries faster.



Solar Panels HVO Generator / Battery / Solar



Boost battery charging speed with solar input

Generator time reduced

Upgrade from:
EcoSmart
EcoSmart 'Air'
AutoSmart

Close to Zero Emissions

XL solar & batteries with responsive systems. Close to ZERO local emissions.



Automatic Self charging hybrid Lithium Battery Bank / XL Solar / HVO Generator Backup



ZERO fuel on summer days
All systems run from battery bank

Heating option
Diesel or Electric

Generator for battery charging or power surges



Instant Hot Water
4 minutes warm up = 4 hours hot water on demand

Zero Emissions

True ZERO local emissions. XL solar & batteries with responsive systems.



Automatic Self charging hybrid Lithium Battery Bank / XL Solar / Hydrogen Fuel Cell Backup



ZERO fuel on summer days
All systems run from battery bank

Heating options
Combined Air Con. +heating or Electric Heating

Hydrogen Fuel Cell for battery charging or power surges



Instant Hot Water
4 minutes warm up = 4 hours hot water on demand

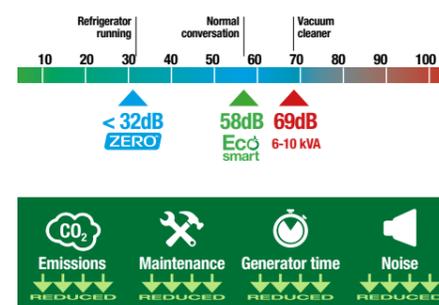
EcoSmart 12 Fuel Efficiency Comparison

To illustrate the fuel & emissions saving potential of our welfare units see below data for a 12FT mobile welfare unit.

A full, individual data presentation for each combination of size / layout / system is available on request.

12 1 Year energy use*	Gen Run Hours	Litres Used	Diesel Cost £	Diesel CO ₂ e KG	HVO CO ₂ e KG	Litres Fuel Reduced by %	Fuel Cost Savings £
Non-hybrid 6kVA Welfare Unit	2600	2600	£ 4,420	7083	708	----	----
EcoSmart	630	567	£ 964	1545	154	78.1%	£ 3,456
EcoSmart Solar	532	478	£ 812	1303	130	81.6%	£ 3,608
EcoSmart 'Air' Diesel Heating	525	497	£ 844	1353	135	77.0%	£ 3,923
EcoSmart 'Air' Diesel Heating Solar	414	397	£ 674	1080	108	84.7%	£ 3,746
AutoSmart	457	451	£ 767	1230	123	82.6%	£ 3,653
AutoSmart Solar	346	351	£ 597	957	95	86.4%	£ 3,823
EcoSmart MAX	129	116	£ 197	316	31	95.5%	£ 4,223
EcoSmart MAX 'Air' Diesel Heating	68	85	£ 144	231	23	96.7%	£ 4,276
	Fuel Cell Run Hours	Bottles H2 used	H2 Cost £	Local CO ₂ e KG			
EcoSmart ZERO	387	55	£ 3,313	Zero			£ 907

Db Noise Levels @ 7m distance with generator doors open



Emissions **REDUCED**
 Maintenance **REDUCED**
 Generator time **REDUCED**
 Noise **REDUCED**



* Based on 10 hours per day for 260 days, 80 days in winter mode and 180 days in summer mode. Each day is a typical usage day.
6 Persons accommodated.
£1.70p per litre Diesel / HVO
£60 per H2 Bottle
£0.40 per kW Grid

ZERO Grid carbon, when a renewable energy supplier is used.
Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of power a solar panel or charging kit generates in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc.
This assessment doesn't take in consideration the usage of the hydraulics
This assessment is guidance only

360° Service

We have dedicated support teams to help you with every part of your journey with us.

We are more than just a manufacturer. Your success is the key to our success.

- Sales Support
- Marketing Support
- Delivery / Handover
- Product Training
- Service Support
- Technical Support
- Parts / Upgrades



Optional Upgrades

Cool



Keep cool in hot weather with an integrated air conditioning system.

Coms



Integrated 4g router / wifi access. Perfect for office units working in remote locations.

Eye Site



Integrated CCTV security system. Telescopic roof mounted 360° cameras with control room.

Silent Site



Quiet night time operation. For a peaceful, greener environment.

Nightlight



Cabin roof mounted lighting system, for enhanced security.

Entertainment



Smart TV, Bluetooth speaker system.

Tracker



Remote telemetry system. Collect important data and keep track of your unit location.

Safety Pack



First aid box, Fire blanket, Fire extinguisher - 1kg, Health and safety poster & Eye wash.

Starter Pack



Paper towels, 2 x Toilet rolls, Plastic cups, Fresh drinking water, Washing water, Water in toilet with chemicals & a full tank of diesel.

Other options

- Non-hydraulic axles
- Ceramic flush toilet
- Available as a static unit
- Custom layouts on request
- Pin boards / White boards
- Spare Wheels
- Decals / Branding

Award winning welfare Designed & built in the UK



WINNERS 2023

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DESIGNED & BUILT IN THE UK

EasyCabin Head Office & Factory, Unit 10, Cosgrove Way, Luton, Beds, LU1 1XL

FOOTNOTES

As part of our on-going commitment to improvement we reserve the right to alter specifications, designs or figures, without prior notice. All dimensions and weights are approximate. A full energy presentation is available on request.

Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of solar power generated in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc.

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2023>