



EasyCabin®

Site welfare is easy.



Ecosmart

16

16ft mobile welfare unit range, with Ecosmart technology built in as standard. Available with 4 layout options and a variety of upgrades.

The Ecosmart 16 has running hot water, heating system, microwave & kettle. Canteen space for up to 12 people including an office space, depending on layout, plus a toilet and drying room.

The Ecosmart 16 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



Depending on chosen layout



without generator⁽¹⁾



without generator⁽¹⁾



Quick, setup. No nonsense hydraulic axles⁽²⁾

Ecosmart 16

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)

Office (+, Xtra+ layouts only)

- PIR activated 12 volt LED light
- Heating outlet (standard or "Air")
- Double socket with USB
- Desk

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

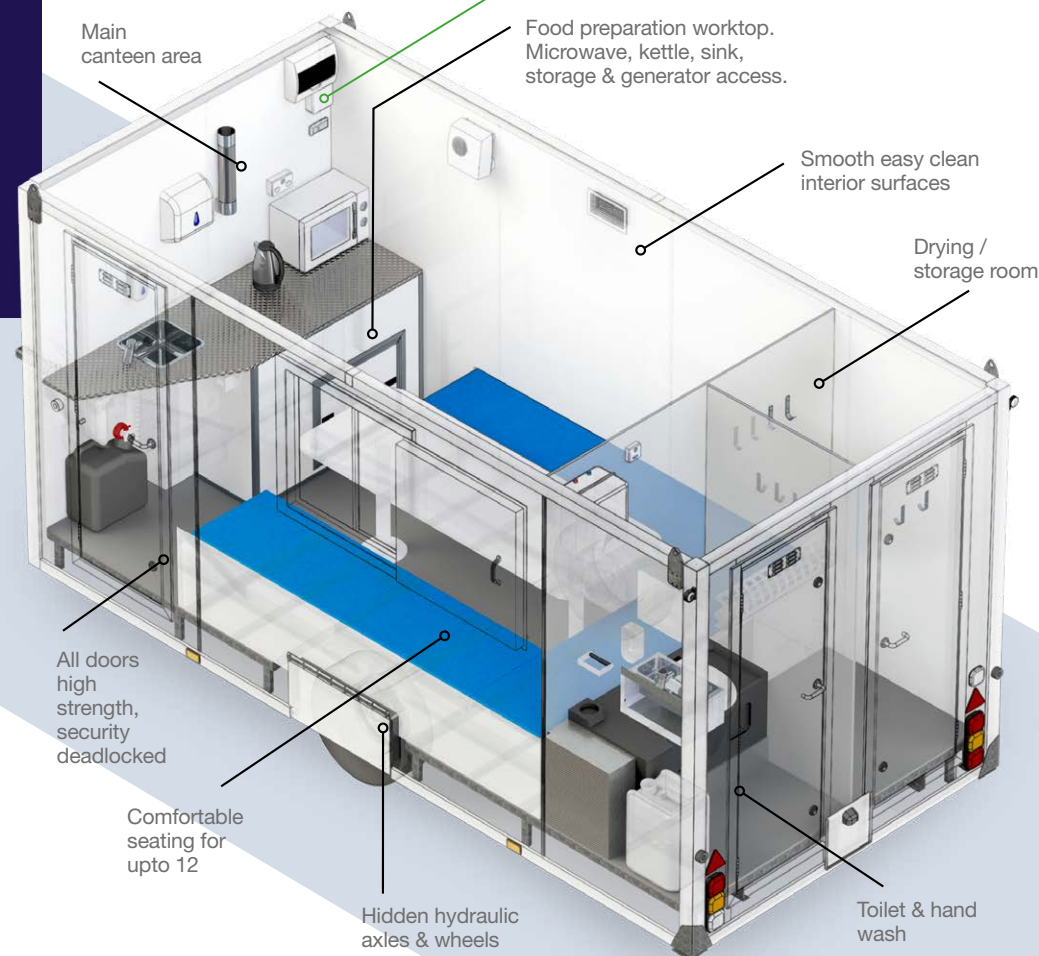
- Re-circulating flush tank toilet 80 litre capacity
- Sink to wash up to forearm
- Running hot water
- Coat hook
- Soap dispenser
- Towel dispenser
- Toilet roll holder
- PIR activated LED light

Drying Room

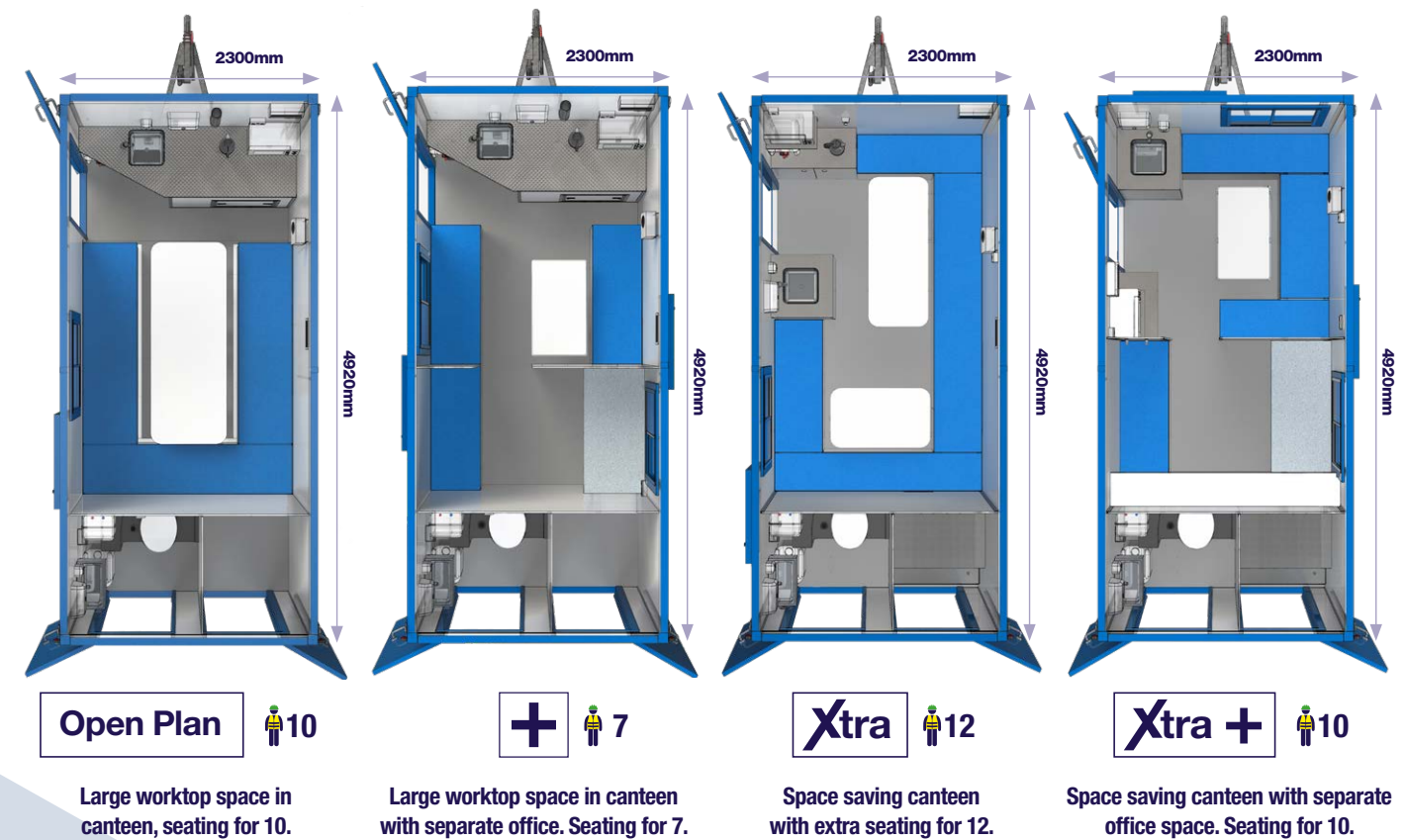
- Coat hooks
- PIR activated 12 volt LED light
- Blown air heating outlet ('Air' only)
- Electric 230v heating

Ecosmart technology

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



Choose a layout



without generator⁽¹⁾

2360kg
Gross weight
2080kg
Unladen weight



without generator⁽¹⁾

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: 215R 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.

Optional
upgrades &
extras

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

Hybrid power saving potential

Hybrid Power Generator / Battery		Up to 78% better fuel economy for the same heating time.		Fully Automatic just add fuel and use.																							
<div> <div> <h2>Ecosmart</h2> <p>Hybrid Power HVO Generator / Battery</p> <div>   </div> <table border="1"> <tr> <td>Heating Fan heater</td> <td>Water Pump</td> </tr> <tr> <td>Kettle Microwave</td> <td>LED Lighting</td> </tr> <tr> <td>Battery Charging Push button start</td> <td>Hydraulics</td> </tr> </table> <div>  <p>Instant Hot Water 4 minutes warm up</p> <p>=</p> <p>4 hours hot water on demand</p> </div> </div> <div> <h2>Ecosmart 'Air'</h2> <p>Hybrid Power HVO Generator / Battery</p> <div>   </div> <table border="1"> <tr> <td>Kettle Microwave</td> <td>Heating Diesel & battery</td> </tr> <tr> <td>Battery Charging Push button start</td> <td>Water Pump</td> </tr> <tr> <td></td> <td>LED Lighting</td> </tr> <tr> <td></td> <td>Hydraulics</td> </tr> </table> <div>  <p>Instant Hot Water 4 minutes warm up</p> <p>=</p> <p>4 hours hot water on demand</p> </div> </div> <div> <h2>Autosmart</h2> <p>Automatic Self charging hybrid HVO Generator / Battery</p> <div>   </div> <table border="1"> <tr> <td>Kettle Microwave</td> <td>'Air' Heating Diesel & battery</td> </tr> <tr> <td>Automatic Battery Charging</td> <td>Water Pump</td> </tr> <tr> <td></td> <td>LED Lighting</td> </tr> <tr> <td></td> <td>Hydraulics</td> </tr> </table> <div>  <p>Instant Hot Water 4 minutes warm up</p> <p>=</p> <p>4 hours hot water on demand</p> </div> </div> </div>						Heating Fan heater	Water Pump	Kettle Microwave	LED Lighting	Battery Charging Push button start	Hydraulics	Kettle Microwave	Heating Diesel & battery	Battery Charging Push button start	Water Pump		LED Lighting		Hydraulics	Kettle Microwave	'Air' Heating Diesel & battery	Automatic Battery Charging	Water Pump		LED Lighting		Hydraulics
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Improve charge times

Extra solar input
charges batteries
faster.

Close to Zero Emissions

Zero Emissions

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



Solar Panels
HVO Generator / Battery
/ Solar



Boost battery charging speed with solar input



Generator time
reduced

Upgrade from:

EcoSmart

EcoSmart
'Air'

AutoSmart



**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



**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

Hydrogen Fuel Cell for battery charging or power surges












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

EcoSmart 16 Fuel Efficiency Comparison

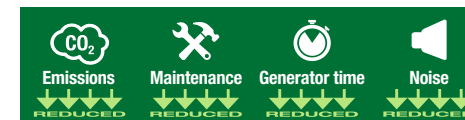
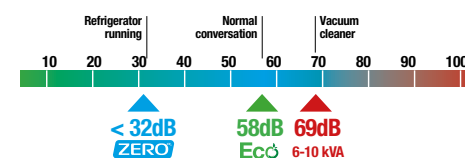
To illustrate the fuel & emissions saving potential of our welfare units see below data for a 16FT welfare unit.

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

16 1 Year energy use*

16 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	976	879	£ 1,494	2394	239	66.2%	£ 2,926
EcoSmart  Solar	859	773	£ 1,315	2107	211	70.2%	£ 3,105
EcoSmart 'Air'  Diesel Heating	843	783	£ 1,330	2132	213	69.9%	£ 3,090
EcoSmart 'Air'   Solar	667	624	£ 1,061	1701	170	76.0%	£ 3,359
AutoSmart	761	725	£ 1,232	1974	197	72.1%	£ 3,188
AutoSmart  Solar	592	573	£ 974	1561	156	77.9%	£ 3,446
EcoSmart 	168	151	£ 257	413	41	94.1%	£ 4,163
EcoSmart  'Air'  Diesel Heating	93	107	£ 183	293	29	95.8%	£ 4,237
	Fuel Cell Run Hours	Bottles H2 used	H2 Cost £	Local CO ₂ e KG			
EcoSmart 	505	72	£ 4,327	Zero			- £ 93

Db Noise Levels @ 7m distance with generator doors open



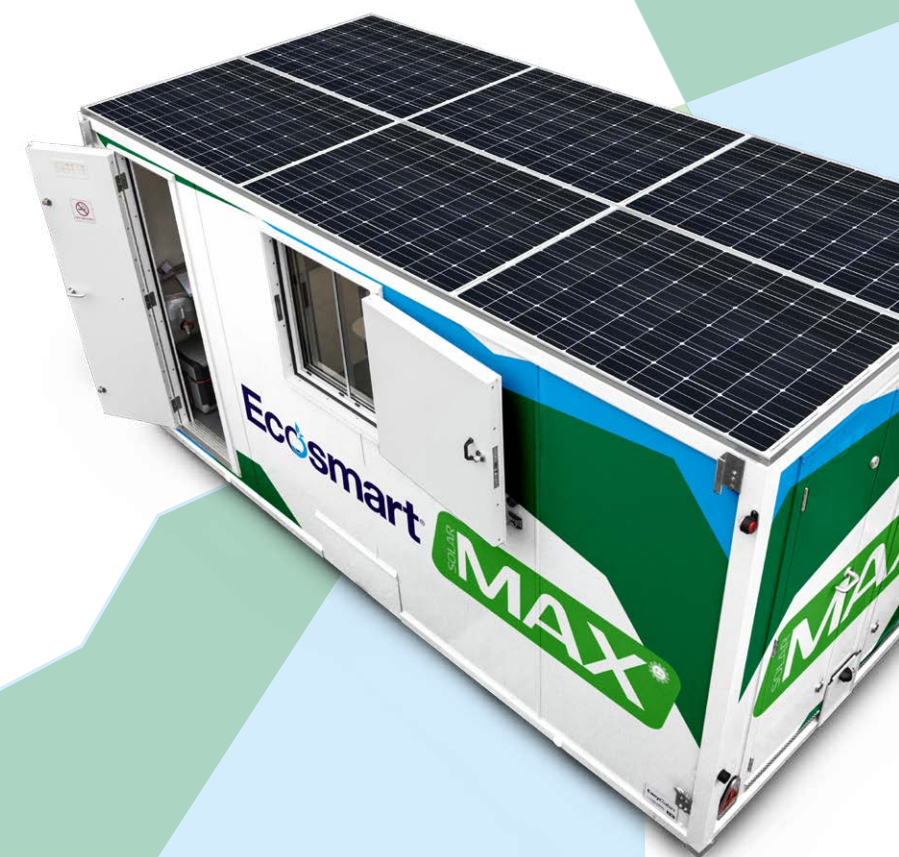
* Based on 10 hours per day for 260 days, 80 days in winter mode and 180 days in summer mode. Each day is a typical usage day. 10 Persons accommodated.

£1.70p per litre Diesel / HVO
£60 per H2 Bottle

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

AJC EasyCabin



WINNERS 2023

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info@easycabin.co.uk

 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>

v-02/2024

Welfare unit with office space. Extra power used from office sockets & heating.

To illustrate the fuel & emissions saving potential of our welfare units see below data for a 16FT welfare unit.

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1 Year energy use*

16 + Xtra +

	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	3900	5850	£ 9,945	15936	1594	----	----
EcoSmart	1575	1417	£ 2,409	3861	386	75.7%	£ 7,536
EcoSmart Solar	1458	1312	£ 2,230	3574	357	77.5%	£ 7,715
EcoSmart 'Air' Diesel Heating	1283	1235	£ 2,099	3363	336	78.8%	£ 7,846
EcoSmart 'Air' Diesel Heating Solar	1108	1078	£ 1,832	2936	294	81.6%	£ 8,113
AutoSmart	1107	1076	£ 1,829	2931	293	81.5%	£ 8,116
AutoSmart Solar	873	865	£ 1,471	2357	236	85.2%	£ 8,474
EcoSmart MAX	324	291	£ 495	794	79	95.0%	£ 9,450
EcoSmart MAX 'Air' Diesel Heating	168	231	£ 393	630	63	96.1%	£ 9,552
	Fuel Cell Run Hours	Bottles H2 used	H2 Cost £	Local CO₂e KG			
EcoSmart ZERO	971	139	£ 8,325	Zero			£ 1,620

*

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. 10 Persons accommodated.

£1.70p per litre Diesel / HVO

£60 per H2 Bottle

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