AJC EasyCabin

Push sustainable power beyond the *MAX*, all the way to *ZERO*.

Your journey towards ZERO emissions starts here:

Eccsmart

3 years of development has led to the ultimate EasyCabin range. Designed for the highest possible power saving & harvesting performance, even in the unpredictable UK weather.



Backup HVO Stage 5 Generator

Ecosmart

Backup Hydrogen Fuel Cell

Maximum Solar. Lithium Battery Bank. Intelligent, automatic systems. Efficient appliances. Same great Ecosmart comfort and usability. 100% of the power can be met from solar only.*



SITE WELFARE

Your journey towards ZERO emissions starts here.

Eccsmart MAX*

Maximum Solar + Lithium Battery Bank + Backup HVO Stage 5 Generator + No Fossil Fuels Intelligent systems + Efficient Appliances + Fully Automatic + Self Charging = ZERO fuel potential, 100% of power needs can be met by solar alone.*



smart M



No emissions No compromise

The future of site welfare is here.

Eccsmart[®] ZERO[®]

Maximum Solar + Lithium Battery Bank + Backup Hydrogen Fuel Cell + No CO₂ Emissions Intelligent systems + Efficient Appliances + Fully Automatic + Self Charging = ZERO fuel potential, 100% of power needs can be met by solar alone.*



Eccsmart MAX[®] ZERO[®]

No compromise, sustainable, automatic power systems. The ultimate EasyCabin.

Extra large, high quality solar panels and lithium battery bank for maximum power harvesting and storage.

3 years of development has led to the ultimate EasyCabin range. Designed for the highest possible power saving & harvesting performance, even in the unpredictable UK weather.

Ecosmart Solar MAX & ZERO offer a welfare solution for companies that are working to meet the demands of future CO² reduction and clean air targets.

With increased focus on the reduction of carbon footprint and the prioritisation of corporate social responsibility issues, there is a real demand for industries to adopt alternative power whilst maintaining reliability and cost effectiveness.

The Ecosmart Solar MAX & ZERO hybrid systems provide an opportunity to both reduce operating costs and increase environmental performance. The systems are silent most of the time and only engage the backup generator or fuel cell when absolutely necessary.

Ecosmart Solar MAX & ZERO have been designed to have the same user friendly operation as standard Ecosmart welfare unit. Power to run the heating, sockets, kettle and microwave comes instantly from the large battery bank. The batteries are constantly fed by the large, powerful solar panels.

Start your journey towards ZERO **Emissions.**



Full roof of super efficient solar panels

journey towards ZERO emissions starts here:

Ecosmart

MAX ZERO



No fossil fuels

With HVO fuel or hydrogen fuel cell, used as a back up only.



Zero fuel with solar panels

On summer days up to 100% of the power demands can be met from the solar panels.*



Ø

More peace and quiet Less generator time. Less noise and vibration.





Kettle & Microwave

Hot water

Powerful lithium

Lighting

battery bank



On-demand power & heat

On any appliance in the cabin.



Efficient power management

The Ecosmart system controls power demands to make sure the generator is only used when absolutely necessary.



Remote telemetry

View data readouts on your device or laptop from any where in the world.





Solar + Lithium Battery Bank + Stage 5 HVO Generator = No fossil fuels (or low emission diesel)

Ready for the transition away from fossil fuels.

We have been working hard behind the scenes to develop new ways to save harmful emissions and get ready for the future.

We need to provide piece-of-mind to our customers who are moving towards new alternative fuels. Our Biosmart products are designed to run both HVO and regular diesel whilst maintaining a manufacturers warranty. The perfect solution whilst in the transition away from fossil fuels.

HVO (Hydrogenated Vegetable Oil) is becoming more popular and accessible to off-road machinery users. It offers an easy way to cut emissions and fossil fuel use, whilst running traditional generators.

Biosmart HVO fits neatly into our product line offering real flexibility with fuel availability. Biosmart working in combination with our solar powered systems, will lower emissions even further!

HVO. Every drop powers lower harmful emissions

Due to changes in tax relief on red diesel coming into force in 2022, the drive towards green fuel alternatives is getting stronger. There are many established UK wide suppliers and prices are falling.

HVO is virtually the same as mineral diesel, but with added green benefits.

Fuel Benefits

(*varies depending on fuel brand/supplier)

- O Up to 30% lower NOx*
- O Up to 85% less particulates*
- O Up to 90% less CO2*
- O Meets EN 15940:2016
- Enhanced cold weather storage & performance, compared to mineral diesel
- O Non toxic biodegradable
- O Low sulphur, FAME and fossil content*



Solar + Lithium Battery Bank + Hydrogen Fuel Cell = No Local Emissions

True ZERO local emissions, the future of site welfare.

The UK hydrogen economy is growing. Get ahead of the curve with your welfare fleet.

The Ecosmart ZERO, the world's first Hydrogen powered welfare unit. Launched in Feb 2019, the zero has 2 years' service in the UK, undergoing extensive trials, improvements and upgrades. The Ecosmart ZERO has the same welfare facilities as any Ecosmart unit, with ZERO local emissions.

Zero fuel potential with solar panels. On summer days up to 100% of the power demands can be met from the solar panels.

The Ecosmart ZERO is now used by hire fleet operators and their customers, all year round in UK weather. We have collected 2 years of power consumption data to show systems working in all kinds of site scenarios.



MAJOR 2022 UPGRADE: The Ecosmart ZERO

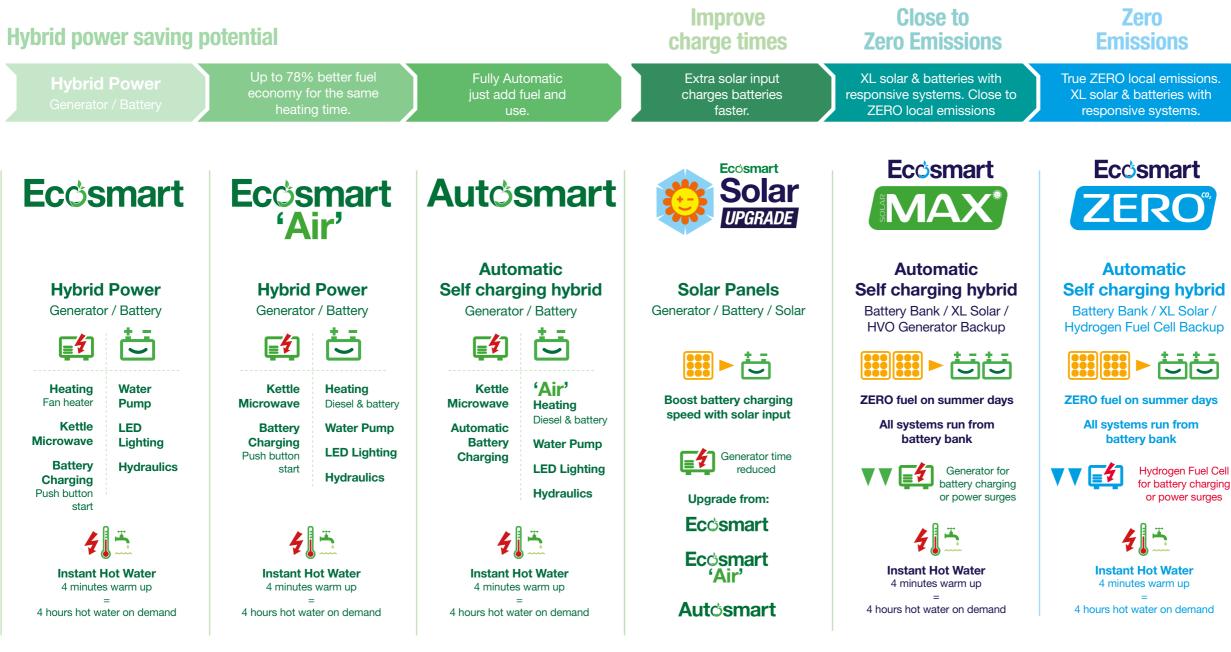
Now with a redesigned Hydrogen Fuel Cell Module to improve performance, power and operation. Intelligent Energy engaged AJC on what improvements they would like to see from their fuel cells that would bring additional benefits to the Ecosmart ZERO range. Ecosmart ZERO 2022, is the next generation model.

Trialled, Tested, Proven. Hydrogen + Solar Welfare.

Extensively tested and proven to work effectively in all seasons. Used by hire fleet operators and their customers, UK wide. Next generation fuel cell & updated systems. More power, quicker startups, more features, more efficiency. Add the Wind turbine upgrade for reduced charge times.

Choose Systems

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



We have a large collection of power consumption case studies and data.

Available on request.





for battery charging or power surges

Choose Layout

12

Å 6

Multiple layouts Multiple sizes Ultimate choice

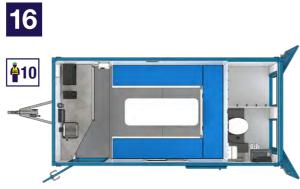






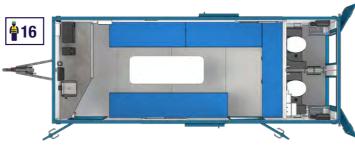








































Standard Features

Ecosmart



(No fossil fuels, low emissions)

Hydrogen Fuel Cell

(Zero Local Emissions)

Sustainability

Movability

- O Large solar array, uses whole of the available roof space
- O Large, powerful lithium battery banks power storage
- O Zero fuel with solar panels On summer days up to 100% of the power demands can be met from the solar panels only.
- O Fully insulated walls and roof system with no cold bridging
- O LED lighting & hot water without the need for the generator or fuel cell
- O Low noise pollution
- O Low fuel consumption O Low or ZERO CO2 emissions
- O No need for fossil fuels
- O Automatic generator or fuel cell, stop/start technology for economical fuel usage
- O All electrical systems and appliances available without the generator or fuel cell operating

Security / Safety

- O Dual heavy duty locking system per door
- O Robust galvanised exterior with high impact resistance
- O Unique hydraulic system for setup in under 45 seconds
- O Carbon monoxide detectors

O Lightweight easy to tow O Soft cushioning Hydraulic system

- O Balanced loading, with generator or fuel cell in the front, for better towing
- O Accessible wheels. Ability in the event of a puncture to change at the side of the road with ease
- O Road lights and number plate holder built in, No need for a tailboard to be fitted
- O Accidental collision can occur, however our corners are designed to absorb impact and are easily maintained

Facilities

- O Easy to use canteen facilities; hot water boiler, microwave & fridge
- O Comfortable seating area
- O Lots of storage space O Warm water washing
- facilities
- O Recirculating toilet O Forearm wash basin in
- toilet O All interior and exterior
- surfaces are tough. durable and wipe clean
- O Spacious drying room with hanging clothes facility OR second toilet



Power generation and flow at your finger tips 24/7. Access via WiFi or 4G connection.

- O Fuel level monitoring and low level fuel alerts
- O Battery power and monitoring displays
- O Diagnostics and troubleshooting
- O Event logging
- O Fuel Cell & Generator controls, ON/OFF, load management
- O Solar & Battery information





Remote telemetry: Example data



Choose Upgrades



Options

- O Fresh flush ceramic toilet
- O Dual toilets
- O Air conditioning
- O Wind turbine increases battery charging speed
- O Tilted solar panels to increase solar gain in winter months
- O Pin boards
- O Extra storage / shelving
- O External signage / branding
- O Chapter 8 livery & reflective kit



We have a dedicated service department, ready to respond.

- O UK Wide on-site servicing and repair
- O Over the phone technical support
- O Diagnostics and troubleshooting
- O Hydrogen Fuel Cell experts
- O Solar & battery experts



Wind turbine upgrade:

Adjustable tower mounted to the chassis frame. Increase battery charging speed. > Greater than 99% system efficiency.

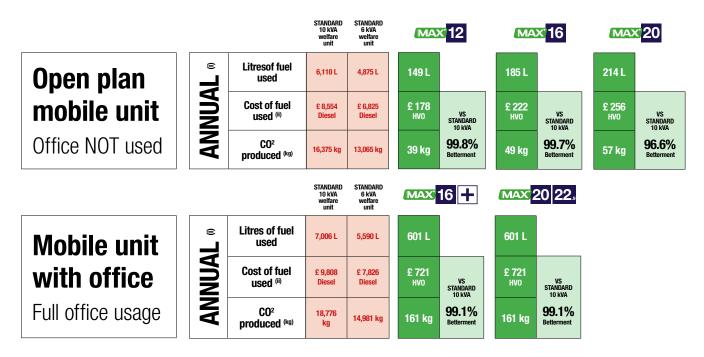


- O Comprehensive training packages
- O Welfare fleet care
- O Detailed product manuals
- O Online Parts shop for account customers

EasyCabin

AJC 102

MAX Fuel Efficiency Comparison



- (i) Based on 10 hours per day, 130 days in winter mode and 130 days in summer mode. Each day is a typical usage day.
- (ii) £1.20p per litre of HVO / £1.40 per litre for Diesel
- (ii) Includes 500w office output
- 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.
 (v) This assessment doesn't take in consideration the usage of the
- hydraulics
- (vii) This assessment is guidance only
- (*) ZERO fuel potential, 100% of power needs can be met by solar alone. In summer months May to September, when sunlight is strong and daytime hours are long. Each day is a typical usage day.

58dB 69dB Eco **Db Noise** 6-10 kVA smart Levels 50 60 80 @ 7m distance Normal with generator conversation doors open Vacuum cleaner

Award winning welfare 😹 Designed & built in the UK





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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.