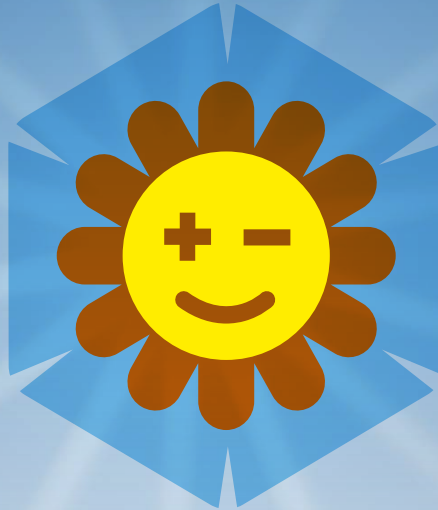


SolarMAX

Patent Pending



**Zero fuel
potential**

on long sunny days

Site welfare powered by the sun

AJC EasyCabin Mobile & static ranges

Don't waste a drop of sunshine!



We have improved our solar system to include extra large, high quality solar panels and batteries for maximum power harvesting.

As a result of winning multiple Green Apple awards, we have been asked by many of our customers to develop site welfare solutions reduce emissions at the point of use. As a result we have been busy designing, building and testing a new concept, ready for the demands of future CO² reduction and clean air targets.

EasyCabin Solar is a viable welfare alternative for companies that are working to reduce their carbon footprint and, more importantly, improve the environment for communities in the vicinity of operation.

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 hybrid system provides an opportunity to both reduce operating costs and increase environmental performance. Solar is silent most of the time and only engages the diesel generator when absolutely necessary.

Our Solar system has 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.

LOW CO²

Low carbon emissions
Efficient generator 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.



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



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.



Kettle & Microwave



Lighting



Hot water

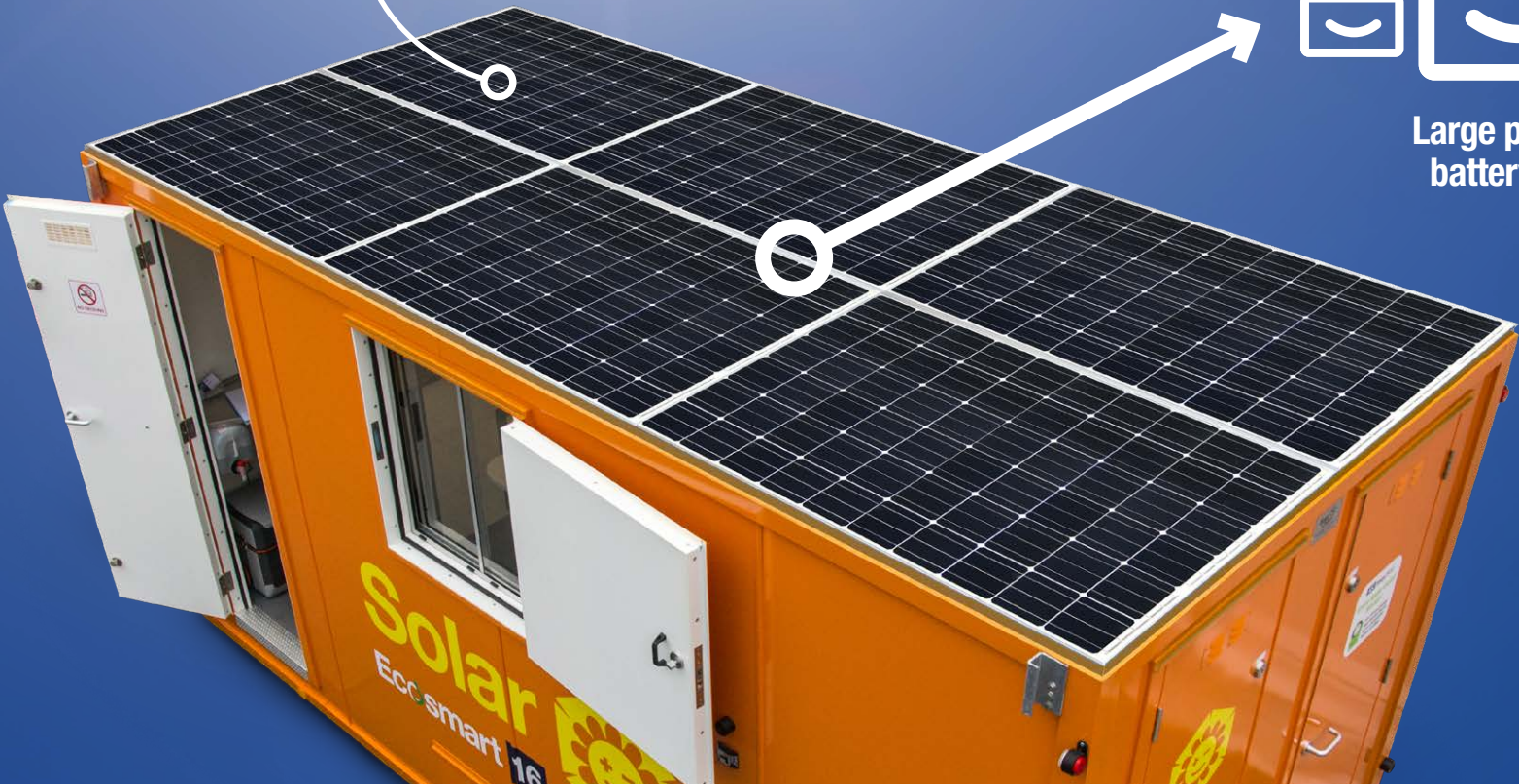


Heating & Air-con



Sockets

Super efficient solar panels



Large powerful battery bank

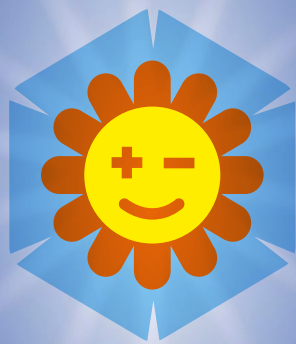
Ecosmart

Power management system keeps generator use to a minimum

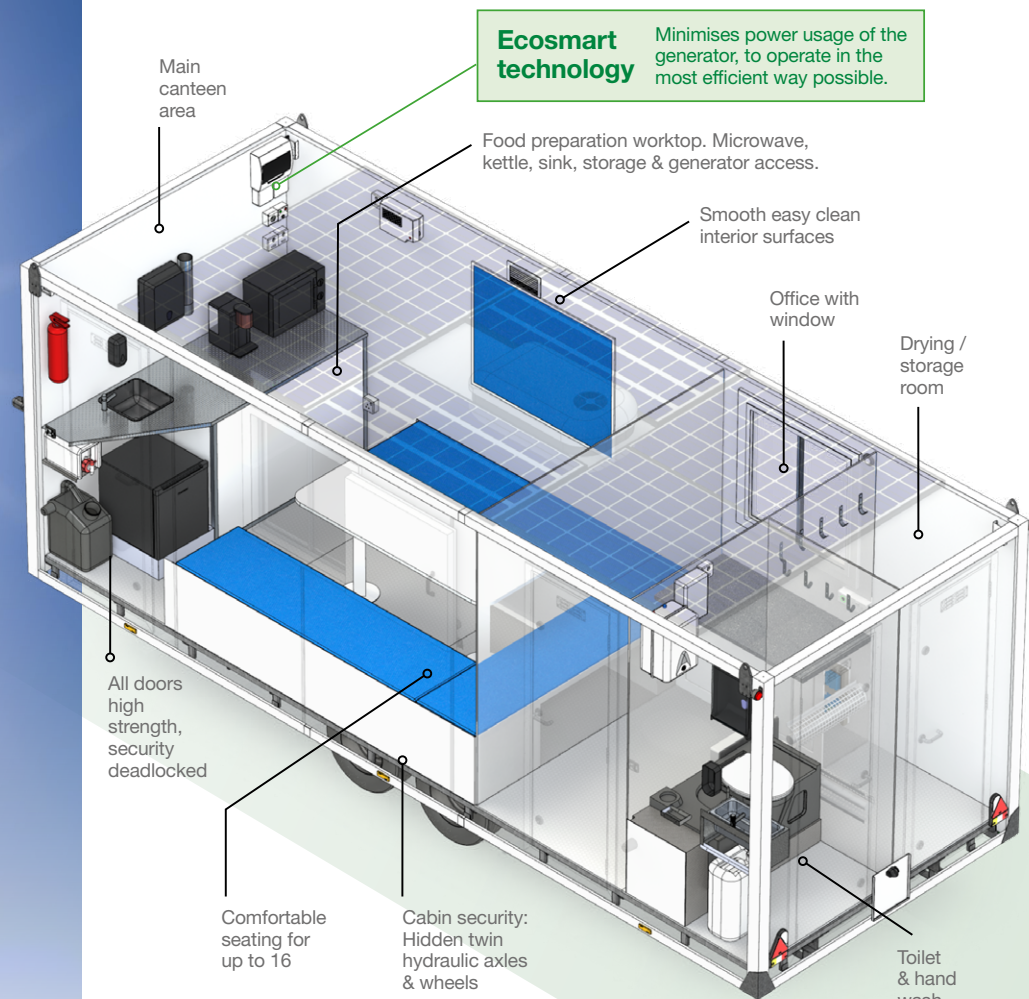


Economic diesel generator on stand by just in case!

Ecosmart SolarMAX



Hybrid mobile welfare range



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

Sustainability

- Large solar array, uses whole of the available roof space
- Large, powerful battery banks power storage
- Fully insulated walls and roof system with no cold bridging
- LED lighting & hot water without the need for the generator
- Low noise pollution
- Low fuel consumption
- Low CO2 emissions
- Automatic generator stop/start technology for economical fuel usage
- All electrical systems and appliances available without the generator operating

Movability

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

Facilities

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

Security / Safety

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

Options

- Fresh flush ceramic toilet
- Dual toilets
- Air conditioning
- Pin board

12

6

16

10

16+

7

20

12

20 Xtra

16

22.9

13

22.9 Xtra

16



SUSTAINABLE

Solar technology

Solar hybrid patent pending technology for sustainable free energy to power the electronics.

EASY TO USE

Automatic operation

Just add fuel and use. The system will distribute power where it's needed and the generator will start/stop automatically.

FAST & EFFICIENT

Heating & hot water

Efficient heating provides more heat for less energy. Hot water is supplied on-demand, no waiting.

POWERFUL

Economical back-up

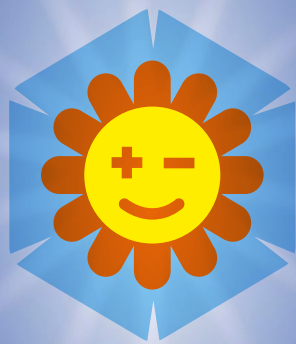
Efficient diesel generator waiting in the background to step in when the sun is not shining.

INTELLIGENT

Ecosmart

Power management system, minimises power usage of the generator, to operate in the most efficient way possible.

Ecostatic SolarMAX



Hybrid static welfare range



**Vandal resistant exterior
with deadlocks on all doors**



Toilet facilities



Backup generator



Kitchen area



Office space



Drying room



Heating & air conditioning

Facilities

- Easy to use canteen facilities; 2x kettles OR 2x microwaves
- Built in refrigerator
- Comfortable spacious seating area
- Separate office area
- Easy to use cabin controls
- USB device charging points
- Warm water washing facilities
- Fresh flush toilet
- Male/Female toilets on 28 model
- Forearm wash basin
- All interior and exterior surfaces are tough, durable and wipe clean
- Spacious drying room with hanging clothes facility

Sustainability

- Large solar array, uses whole of the available roof space
- Large, powerful battery banks power storage
- Fully insulated wall and roof system with no cold bridging
- Low fuel & noise pollution
- Low CO2 emissions
- Automatic generator stop/start technology for economical fuel usage
- LED lighting without the generator operating
- Hot water on-demand without the generator operating

Security / Safety

- Dual heavy duty locking system per door
- Robust galvanised exterior with high impact resistance
- Carbon monoxide detectors

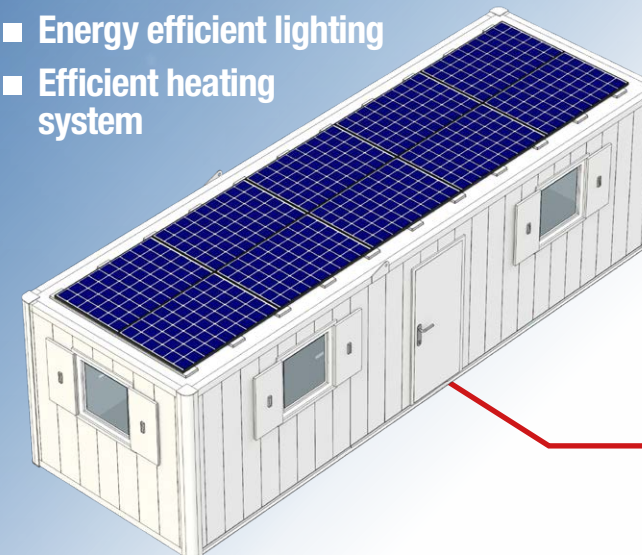


Solarstatic

Solar ONLY static units.

Each Solar Static unit has it's own solar panels to maximise solar input. Plug in a PowerPod or a backup generator and link up your whole site.

- Full roof of solar on each unit
- Unique Ecosmart system
- Energy efficient lighting
- Efficient heating system



Backup power



PowerPod

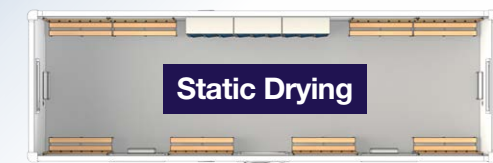
OR



Hybrid site gen.



Static Canteen



Static Drying



Static Office



Static Toilet

SUSTAINABLE ENERGY

Solar technology

Solar hybrid patent pending technology for sustainable free energy to power the electronics.

EASY TO USE

Automatic operation

Just add fuel and use. The system will distribute power where it's needed and the generator will start/stop automatically.

FAST & EFFICIENT

Heating & hot water

Efficient heating provides more heat for less energy. Hot water is supplied on-demand, no waiting.

POWERFUL

Economical back-up

Efficient diesel generator waiting in the background to step in when the sun is not shining.

INTELLIGENT

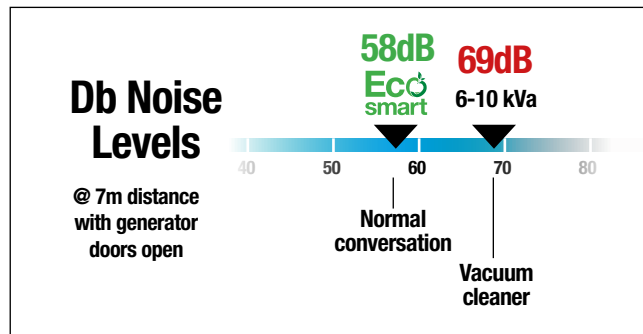
Ecosmart

Power management system, minimises power usage of the generator, to operate in the most efficient way possible.

Fuel Efficiency Comparison

			STANDARD 10 kVa welfare unit	STANDARD 6 kVa welfare unit	Solar 12	Solar 16	Solar 20
Open plan mobile unit Office NOT used	ANNUAL	Litres of fuel used	6,110 L	4,875 L	149 L	185 L	214 L
		Cost of fuel used ⁽ⁱ⁾	£ 3,422	£ 2,730	£ 83	£ 104	£ 120
		CO ₂ produced ^(kg)	16,375 kg	13,065 kg	399 kg	496 kg	573 kg
Mobile unit with office Full office usage	ANNUAL	Litres of fuel used	7,006 L	5,590 L	601 L	601 L	
		Cost of fuel used ⁽ⁱ⁾	£ 3,923	£ 3,130	£ 336	£ 337	
		CO ₂ produced ^(kg)	18,776 kg	14,981 kg	1,610 kg	1,611 kg	

- (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) 56p per litre red diesel
- (iii) Includes 500w office output
- (iv) Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of power a 42v 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
- (vi) This assessment is guidance ONLY



Award winning welfare Designed & built in the UK



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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) Costs = Red diesel @ 56p/litre. Savings = Compared to an EasyCabin standard 12 with a 6Kva generator. All figures quoted for guidance only & do not include use of hydraulics. A full energy presentation is available on request.

(b) 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.