



Welfare 4 Hire

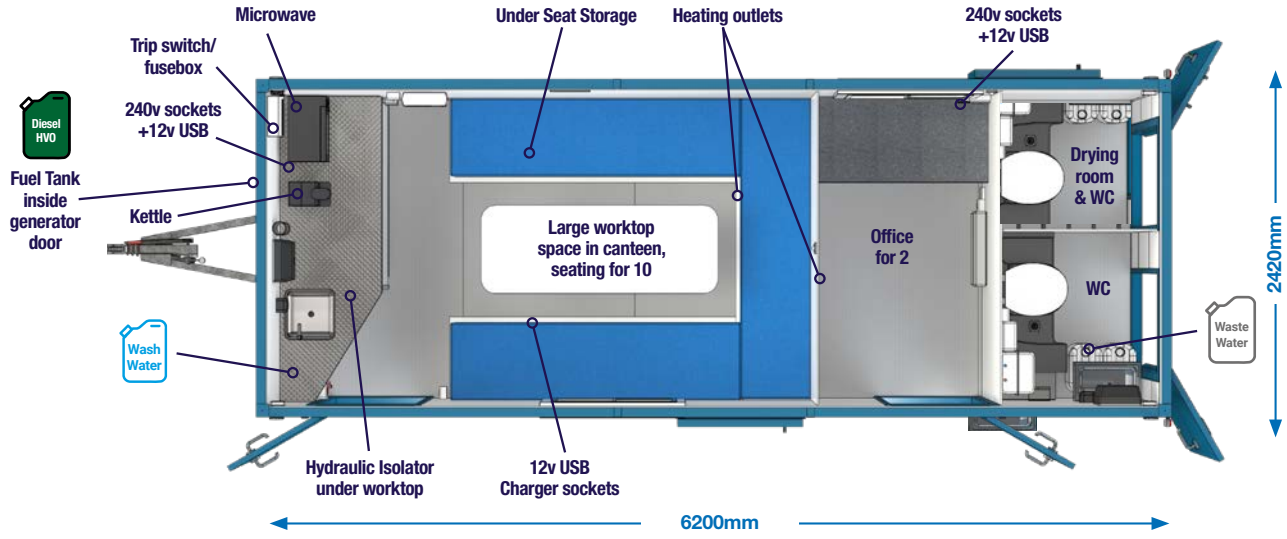


Ultra-low Emissions

12 Person
WELFARE UNIT
WITH OFFICE

SOLAR MAX
XL SOLAR + LITHIUM BATTERIES

Mobile self contained welfare facilities, ideal for any size or type of site.
Extra large solar panels & ultra-low emissions. Designed for the highest possible power saving & harvesting performance, even in the unpredictable UK weather.



EFFICIENT

Ecosmart technology

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

POWERFUL

Economical generator

Ecosmart welfare units use innovative hybrid eco-technology & low maintenance components.

LIGHTER + STRONGER

Easy to move

Ecosmart welfare units are loved by users for their stable towing behavior and low weight.

NO NONSENSE

45s setup

Ecosmart welfare units have hydraulic axles. Ready to use in 30 seconds.⁽²⁾

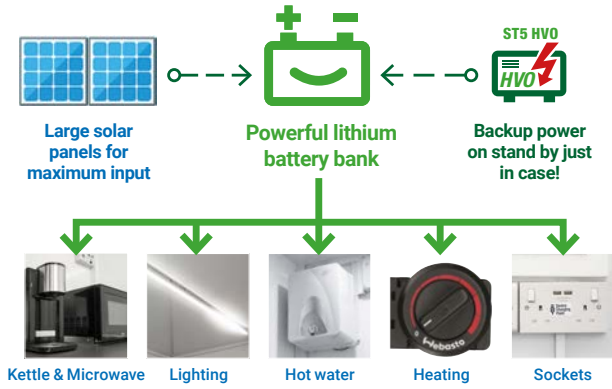
ULTRA-LOW EMISSIONS

Clean air ZONE

Ultra low emission ZONE

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

No compromise, sustainable, automatic power systems.



Low CO₂
No fossil fuels
 With HVO fuel 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. Heating without generator running.



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

Sustainability

- Large solar array, uses whole of the available roof space
- Large, powerful lithium battery banks power storage
- Zero fuel with solar panels
 On summer days up to 100% of the power demands can be met from the solar panels only*
- Diesel / HVO heating system allows heating without the use of the generator
- Fully insulated walls and roof system with no cold bridging
- LED lighting & hot water without the need for the generator or fuel cell
- Low noise pollution
- Low fuel consumption
- ULTRA LOW CO₂ emissions with HVO Fuel
- No need for fossil fuels with HVO Fuel
- Automatic generator or fuel cell, 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 or fuel cell 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
- Comfortable seating area
- Lots of storage space
- Warm water washing facilities
- 2x Recirculating toilets
- Forearm wash basin in toilets
- All interior and exterior surfaces are tough, durable and wipe clean
- Dehumidifier in toilet for clothes drying

Security / Safety

- Dual heavy duty locking system per door
- Robust galvanised exterior with high impact resistance
- Unique hydraulic system for setup in 45 seconds
- Geolocation tracked / remote telemetry



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.
 (1) Figures quoted based on "optimum use", with the generator not running, no appliances used, no hydraulics used and no diesel/electric heating within the stated time period.

(2) While in un-hitched state, timed from the start of axle retract sequence, until the unit is seated and the cabin door is opened.
 (a) Costs = Red diesel @ £1.70p/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.

 x12	Annual diesel savings^(a) Compared to a Non-Hybrid welfare unit with a 6kVA Generator. @ £1.70 per litre £809 1,375 litres	 UP TO 4h UP TO 6h Battery power ⁽¹⁾	2535kg Gross weight 3000kg Unladen weight	 W 2420 L 6200 H 2700 Dimensions (mm)	DIESEL TYPES EN 590 or HVO NO Additives OIL TYPE SAE10W-30 (1.3L)
 x2 110^L Toilet waste capacity	 150^L 150^L Waste Wash Tank capacities	 58dBA @7m Quiet generator	1 to 2 hours For full charge	LITHIUM BATTERY BANK CELLS subzero 100Ah Life Po4 Lithium Long Life Cycle Battery All power runs from heated batteries	



www.welfare4hire.co.uk

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 (2) While in un-hitched state, timed from the start of axle retract sequence, until the unit is seated and the cabin door is opened.
 (a) Costs = Red diesel @ £1.70p/litre. Savings = Compared to an EasyCabin standard 20 with a 6Kva generator. All figures quoted for guidance only & do not include use of hydraulics.
 A full energy presentation is available on request.



Fuel Efficiency Comparison

To illustrate the fuel & emissions saving potential of our welfare units see below data for a 20FT mobile welfare unit.

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

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	----	----
Ecōsmart	1741	1567	£ 2,663	4268	427	39.7%	£ 1,757
Ecōsmart Solar	1624	1461	£ 2,484	3981	398	43.8%	£ 1,936
Autōsmart Solar Automatic Operation	1624	1461	£ 2,484	3981	398	43.8%	£ 1,936
Ecōsmart MAX Diesel Heating	175	237	£ 403	646	65	90.9%	£ 3,817

* 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. 12 Persons accommodated.
 £1.70p per litre Diesel / HVO
 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.
 HVO & alternative diesel fuels are less efficient than standard diesel.
 This assessment doesn't take in consideration the usage of the hydraulics
 This assessment is guidance only

