



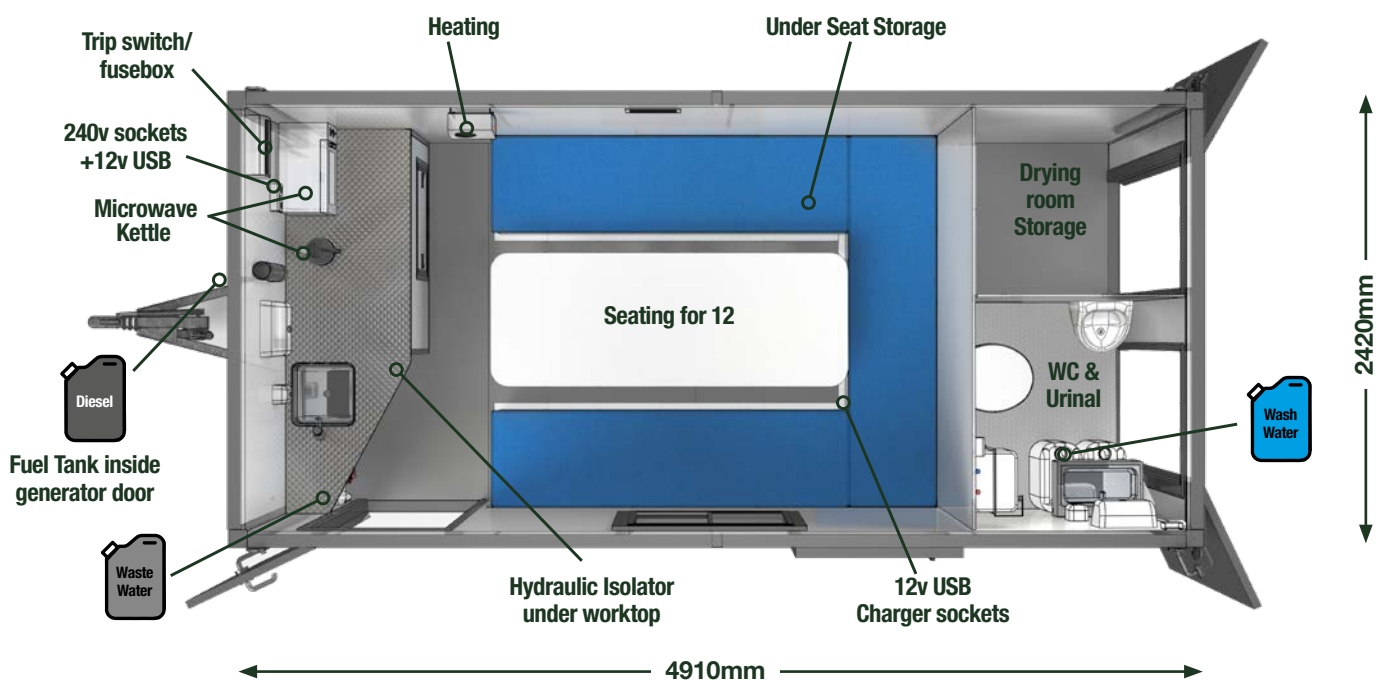
WELFARE CABIN SPECIALISTS

EcoSmart  Solar

12 Person
WELFARE UNIT




Mobile self contained welfare facilities, ideal for any size or type of site. Easy to use, easy to move.



EFFICIENT
EcoSmart
Technology

POWERFUL
Stage V HVO
Generator

USE LESS FUEL
 **Solar**
HYBRID

NO NONSENSE
45^s
setup

www.mpghire.co.uk

Call: 0121 769 2662

Email: hire@mpghire.co.uk

EcoSmart Solar

12 Person WELFARE UNIT



45s Setup

Hydraulic axles

Step 1
Un hitch.
Hand brake on.
Turn generator on.

Step 2
Wind up jockey wheel.
Turn ON isolator switch in cabin.

Step 3
Use hydraulic controls.
Turn OFF isolator switch in cabin.
You are now parked and secure.

12

2240kg
Gross weight

2145kg
Unladen weight

W 2420
L 4910
H 2680

Dimensions (mm)

UP TO 4h
UP TO 6h

Battery power ⁽¹⁾

150L

Toilet waste capacity

25L **25L**

Waste Wash

Water capacities

HVO

Biosmart

HVO COMPATIBLE

FUEL TYPES
Diesel / HVO / Bio-diesel

OIL TYPE
SAE10W-30 (1.3L)

58dBA @7m

Quiet generator

Solar HYBRID

Roof mounted solar panels further reduce generator time & fuel costs

Energy savings

Compared to a Non Hybrid Welfare cabin: Running 6kVA generator with diesel, no battery power.

A full energy presentation is available on request.

Annual diesel savings ^(a)
@ £1.70 per litre

£3,674

2,161 litres

Movability

- Lightweight easy to tow
- Soft cushioning Hydraulic system
- Balanced loading, with generator in the front, for better towing
- 13" wheels with the 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; kettle & microwave
- Spacious & comfortable seating area
- Warm water washing facilities
- Recirculating toilet & urinal
- Forearm wash basin
- All interior and exterior surfaces are tough, durable and wipe clean
- Spacious drying room with hanging clothes facility
- Plug and play sockets: USB's without the generator and 230v sockets

Sustainability

- Roof mounted solar panels for faster battery charging and reduced generator on-time
- Stage V Generator compatible with HVO and bio-diesel fuels for ultra-low emissions
- Fully insulated wall and roof system with no cold bridging
- PIR activated LED lighting & hot water without the need for the generator
- Low noise pollution
- Low fuel consumption
- Low CO2 emissions
- Automatic generator timed shut off for unnecessary fuel usage
- Low energy LED road lights

Security / Safety

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

Mains hook up if you need it

Use no fuel: Override the generator when you have access to mains power. The system will use mains power as the backup.

DESIGNED & BUILT IN THE UK BY **AJC EasyCabin**

MULTI-AWARD WINNING ECO WELFARE CABINS & HYBRID SYSTEMS

GREEN WORLD AWARDS WINNERS 2023

MPG HIRE

WELFARE CABIN SPECIALISTS

www.mpghire.co.uk Email: hire@mpghire.co.uk

Head Office / Midlands 0121 769 2662
London 020 3633 3282

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 = HVO Diesel @ £1.70p/litre. Savings = Compared to a non-hybrid welfare unit 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

Non Hybrid Welfare cabin:

Running 6kVA generator with diesel, no battery power.

All systems powered directly from the generator:

- Kettle
- Lights
- Microwave
- Water
- Heating
- Sockets

Solar / Battery: X NONE

MPG Hire Ecosmart Solar Hybrid cabin:

Running 3.5kVA generator combined with solar power and battery.

Solar / Battery:

- Lights
- Low voltage sockets
- Water
- Battery charging
- Pumps

Generator:

- Kettle
- Microwave
- Heating
- Battery charging

			NON HYBRID 6 kVA welfare unit	6 Person WELFARE UNIT	12 Person WELFARE UNIT
Open plan mobile unit No Office	ANNUAL^(a)	Litres of fuel used	2,600 L	277 L	439 L
		Cost of fuel used ^(b)	£ 4,420 Diesel	£ 525 HVO VS NON HYBRID 6 kVA	£ 835 HVO VS NON HYBRID 6 kVA
		CO ² produced ^(c) (kg)	7,083 kg	75 kg HVO 89.3% Betterment	120 kg HVO 83.1% Betterment
			NON HYBRID 6 kVA welfare unit	10 Person WELFARE UNIT WITH OFFICE	16 Person WELFARE UNIT WITH OFFICE
Mobile unit with office With Office	ANNUAL^(a)	Litres of fuel used	2,600 L	538 L	1,363 L
		Cost of fuel used ^(b)	£ 4,420 Diesel	£ 1,022 HVO VS NON HYBRID 6 kVA	£ 2,590 HVO VS NON HYBRID 6 kVA
		CO ² produced ^(c) (kg)	7,083 kg	147 kg HVO 79.3% Betterment	371 kg HVO 47.5% Betterment

- (a) Based on 10 hours per day, 260 working days per year, 80 days in winter mode and 180 days in summer mode. Location Luton UK. Each day is a typical usage day.
- (b) £1.70p per litre of HVO or Diesel fuel
- (c) 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.
- (d) This assessment doesn't take in consideration the usage of the hydraulics
- (e) This assessment is guidance only

