



WELFARE SERVICES



MOBILE WELFARE UNITS

AUTOMATIC SELF CHARGING HYBRID.
JUST ADD FUEL AND USE.

LOW EMISSIONS
EasyCabin
ecoHybrid

Your national welfare hire partner gap-group.co.uk 0141 225 4600



WORKING
IN PARTNERSHIP



**BUILDING
QUALITY
TRAILERS**
SINCE 1964

GAP HIRE SOLUTIONS IS THE UK'S LARGEST INDEPENDENT EQUIPMENT HIRER.

With over 100 depots nationwide, we've come a long way since Gordon Anderson first set up the business from a single location in 1969. During this time, while our equipment and service offering has evolved, one thing remains the same - our commitment to the traditional family values on which GAP was founded all those decades ago.

Trust, integrity and honesty underpin our national operations and our people are committed to the 'GAP Code'. Completely focused on providing exceptional service, we offer our customers value for money, reliability and total peace of mind. With market-leading investment year on year, we have the widest range of the latest equipment and the youngest fleet in the industry. As GAP continues to grow and develop, we look forward to being the national hire partner of choice for customers throughout the UK for many more generations to come.

GAP WELFARE DIVISION HAS A FLEET OF OVER 1,700 WELFARE UNITS READY FOR HIRE NATION WIDE.

All our units are designed and built in the UK by the number 1 welfare trailer supplier AJC EasyCabin.

AJC Trailers who build the EasyCabin have been building high quality trailers since 1964. All AJC trailers have fully galvanised, braked AL-KO trailer chassis and insulated galvanised exterior. The EasyCabin unit is the most easy to use and tow on the market today and loved by end users.

AJC Trailers specialise at developing economical hybrid welfare units, and have won many environmental awards. All GAP welfare units are fully automatic, battery and generator powered. The end user only has to add fuel and the EcoHybrid system will take care to use power in the most efficient way.

The EcoHybrid system is exclusive to GAP Welfare, available on all our units, not from any other welfare supplier.



WELFARE SERVICES

Our Welfare Services division was set up to compliment GAP's existing product offering and make life more comfortable for site personnel and event-goers alike.

We now offer a diverse welfare product portfolio, all maintained to GAP's usual first class standards. Our brand new welfare units are ready and waiting for hire. They include a variety of unit layouts and sizes and the EcoHybrid power system which is exclusive to GAP Welfare Services. Our mobile EcoHybrid units accommodate up to 16 people.



WELFARE SERVICES

WELFARE DEPOTS



GAP's Tanker Services division also services our welfare units nationwide, meaning you do not need to source your servicing requirements elsewhere.



Your national welfare hire partner

gap-group.co.uk

0141 225 4600

ENVIRONMENT

At GAP we're genuinely committed to minimising the impact our business activities have on the environment and are continually implementing more efficient practices across our entire operation.

Everyone at GAP understands the importance of the environment so with a huge team effort, we're successfully reducing our waste, CO2 emissions, energy and water consumption. At the same time we're increasing our recycling, use of sustainable materials and our investment in a 'greener' fleet.

Our entire welfare unit fleet uses the latest EcoHybrid technology to reduce pollution and emissions and maximise fuel economy.

In addition to this, we offer our customers ZERO local emissions and solar powered welfare units.

The future of welfare

AJC EasyCabin has developed the Ecosmart ZERO a welfare unit that is capable of using ZERO fuel with large solar panels with a ZERO emissions hydrogen fuel cell for backup power when needed.

Award winning welfare  Designed & built in the UK



EasyCabin

ecoHybrid

STANDARD FEATURES

Mobile self contained welfare facilities, ideal for any type of site. Automatic self charging, hybrid power system. Just add fuel and use.

EASY TO USE

Auto-self charging

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

POWERFUL

Hybrid power

Innovative hybrid eco-technology, combines 3.5kva generator with battery power for maximum fuel economy.

FAST & EFFICIENT

Heating & hot water system

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

SECURE

Deadlocks all doors

All doors have multiple deadlocks for added piece of mind. A hydraulic isolator makes it impossible to tow away without access to the cabin.

HYGIENIC

Easy to clean

All interior and exterior surfaces are tough, durable & wipe clean.

COMFORTABLE

Light & bright inside

Interiors stand apart from other welfare units. High gloss finishes, light & bright make them an industry favorite.

NO NONSENSE

45^s setup

EcoHybrid welfare units have hydraulic axles. Ready to use in 45 seconds.⁽¹⁾

LIGHTER + STRONGER

Easy to move

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



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EasyCabin

ecoHybrid

Automatic self charging, hybrid power system.

Batteries + economical generator

Sustainability

- Hybrid power system, Generator + batteries.
- Automatic generator stop/start technology for economical fuel usage
- Heating and hot water usage without the generator operating
- Timer heating controls
- Automatic system charging
- Fully insulated wall and roof system with no cold bridging
- PIR activated LED lighting
- Low noise pollution
- Low fuel consumption
- Low CO2 emissions
- Low energy LED road lights

Movability





















- Lightweight easy to tow
- Soft cushioning Hydraulic system
- Balanced loading, with generator in the front, for better towing
- 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
- Comfortable seating area
- Warm water washing facilities
- Recirculating toilet
- Forearm wash basin
- All interior and exterior surfaces are tough, durable and wipe clean
- Spacious drying room with hanging clothes facility

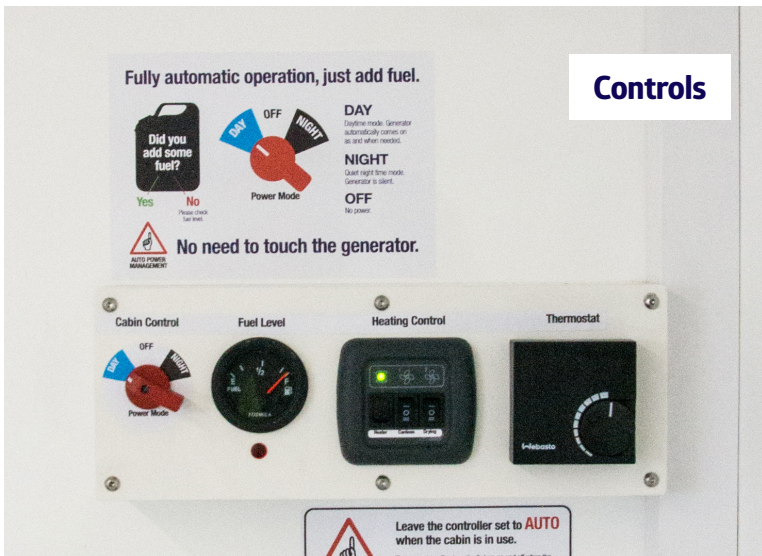
Security / Safety

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

		TOILET + DRYING STORAGE ROOM	CANTEEN SPACE	OFFICE SPACE	SOLAR PANEL MODEL UPGRADE
12		✓	 x6		 ✓
16		✓	 x10		 ✓
16+		✓	 x6	 x1	 ✓
20		✓	 x10	 x2	 ✓
20 Xtra		✓	 x16		
22.9		✓	 x12	 x3	 ✓



Canteen space



Controls



Toilet



Hydraulic axles

eco Hybrid 12



WF0021

x6

1800kg
Gross weight

1650kg
Unladen weight

W 2420
L 3615
H 2700

Dimensions (mm)

On Demand
Heat & hot water

All Day
LED
Lighting

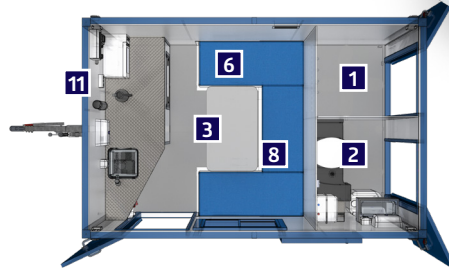
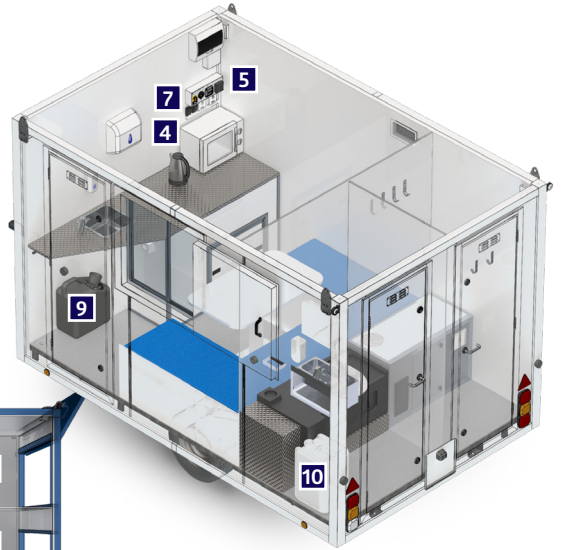
110^L

Toilet waste capacity

1 to 2 hours

For full charge

1. Drying room / Storage
2. Toilet
3. Canteen & seating
4. Cabin controls
5. Kettle & microwave
6. Under seat storage
7. 240v sockets & 12v USB
8. 12v USB charger sockets
9. Waste water
10. Wash water
11. Fuel tank & generator access



HSE compliant

+ 250kg PAYLOAD

Tow safe & legal

Fully loaded & site-ready, there is a spare 250kg payload for your tools!

58dBA @7m

Quiet generator



30^s 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.



eco Hybrid 16

CLUB

100



16 WF0026

16 + WF0022



x10

Open plan

x7

Office layout

2240kg

Gross weight

2145kg

Unladen weight



W 2420

L 4910

H 2680

Dimensions (mm)



On Demand

Heat & hot water



LED

All Day

Lighting



110L

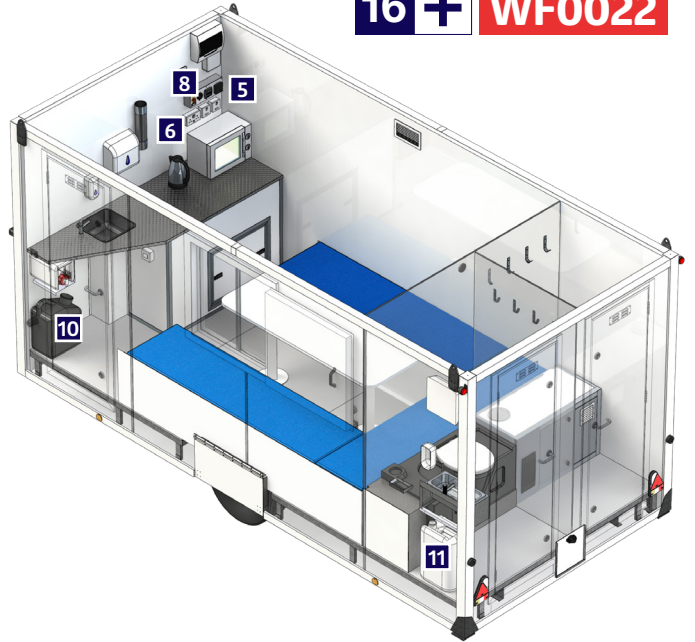
Toilet waste capacity

1 to 2 hours



For full charge

1. Drying room / Storage
2. Toilet
3. Office
4. Canteen & seating
5. Cabin controls
6. Kettle & microwave
7. Under seat storage
8. 240v sockets & 12v USB
9. 12v USB charger sockets
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11. Wash water
12. Fuel tank & generator access



HSE compliant



58dBA @7m

Quiet generator

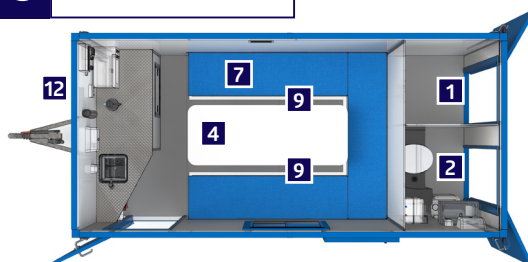
16 Open Plan



16 +



16 Open Plan



16 +



Hydraulic axles

eco Hybrid 20

CLUB
100



WF0013

Xtra

WF0024

x12
With office

x16
Xtra layout

3000kg
Gross weight

2535kg
Unladen weight

W 2420
L 6200
H 2700

Dimensions (mm)

On Demand
Heat & hot water

LED
All Day
Lighting

110^L

Toilet waste capacity

1 to 2 hours

For full charge

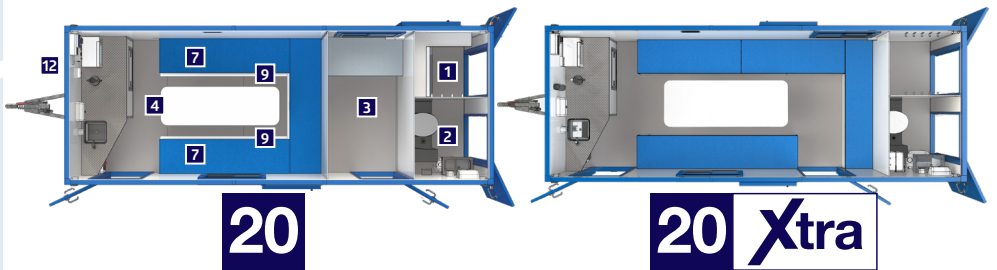
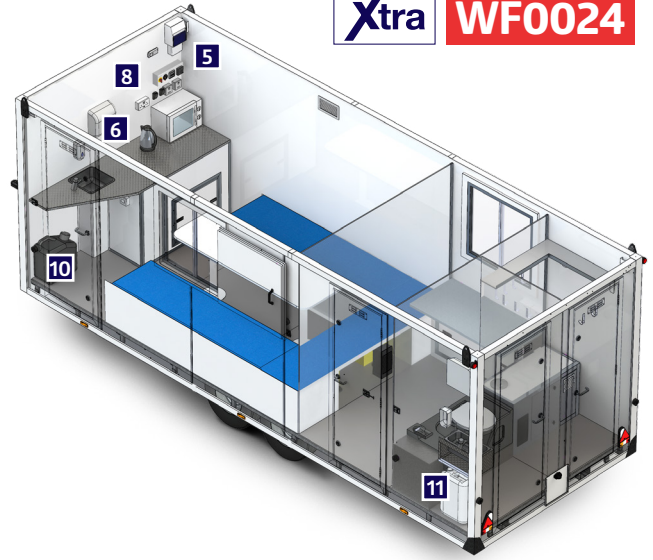
HSE

HSE compliant

58dBA @7m

Quiet generator

1. Drying room / Storage
2. Toilet
3. Office
4. Canteen & seating
5. Cabin controls
6. Kettle & microwave
7. Under seat storage
8. 240v sockets & 12v USB
9. 12v USB charger sockets
10. Waste water
11. Wash water
12. Fuel tank & generator access



eco Hybrid 22.9

CLUB

100



WF0027



3000kg

Gross weight

2900kg

Unladen weight



W 2530

L 6979

H 2870

Dimensions (mm)



On Demand

Heat & hot water

All Day

Lighting



Toilet waste capacity

1 to 2 hours



For full charge



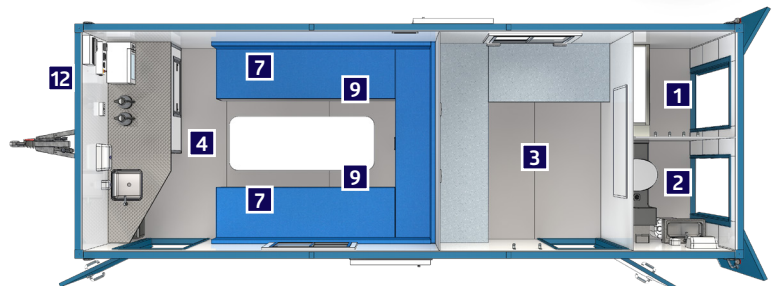
HSE compliant



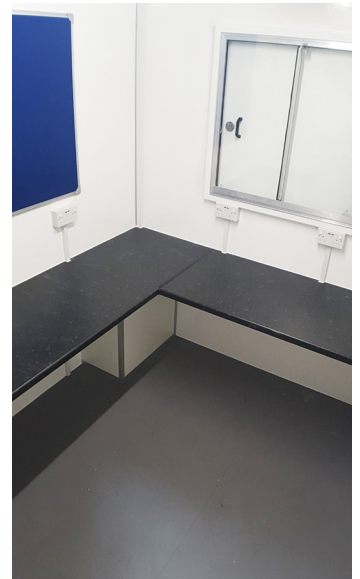
58dBA

@7m
Quiet generator

1. Drying room / Storage
2. Toilet
3. Office
4. Canteen & seating
5. Cabin controls
6. Kettle & microwave
7. Under seat storage
8. 240v sockets & 12v USB
9. 12v USB charger sockets
10. Waste water
11. Wash water
12. Fuel tank & generator access



Hydraulic axles



EasyCabin

ecoHybrid

Solar

Automatic self charging, hybrid power system.

Solar panels + batteries + economical generator

Free Energy

Our unique patent pending intelligent solar controls produce free sustainable energy all year round ^(b)



Automatic Operation

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

✓ Reduce CO2 emissions ✓ Reduce Noise ✓ Reduce Fuel costs

With the addition of solar panels, the EcoHybrid welfare unit becomes ultra-efficient. We have designed a system that automatically operates to harvest the sun's power when available. Our unique patent pending Solar Box efficiently uses the sun's energy to power the cabin with the backup of a generator for the unpredictable British weather.

Our range of EcoHybrid mobile welfare units are designed to be economical, efficient and easy to use from the start. Hybrid, intelligent power management systems and battery storage comes as standard to maximise fuel economy. In addition to this our unique galvanised insulated body panels help keep the warmth inside.

In addition to the EcoHybrid specifications the Solar system includes the following features:

Roof mounted solar panels

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

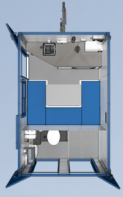
Timer heating controls



UP TO
93%
more efficient ^(a)

Compared to a
6Kva system

Available on all models



12

WF0043



16

WF0045



16+

WF0046



20

WF0042



20 Xtra


WF0047



22.9

WF0044

1 YEAR CASE STUDY


Solar Gain
196 kW
 Summer & winter
 long term use.
ALL WEATHERS

This is the amount of power generated from the solar panels.

This led to the following savings:



108
 Generator to battery charges saved



522 L
 Diesel fuel saved



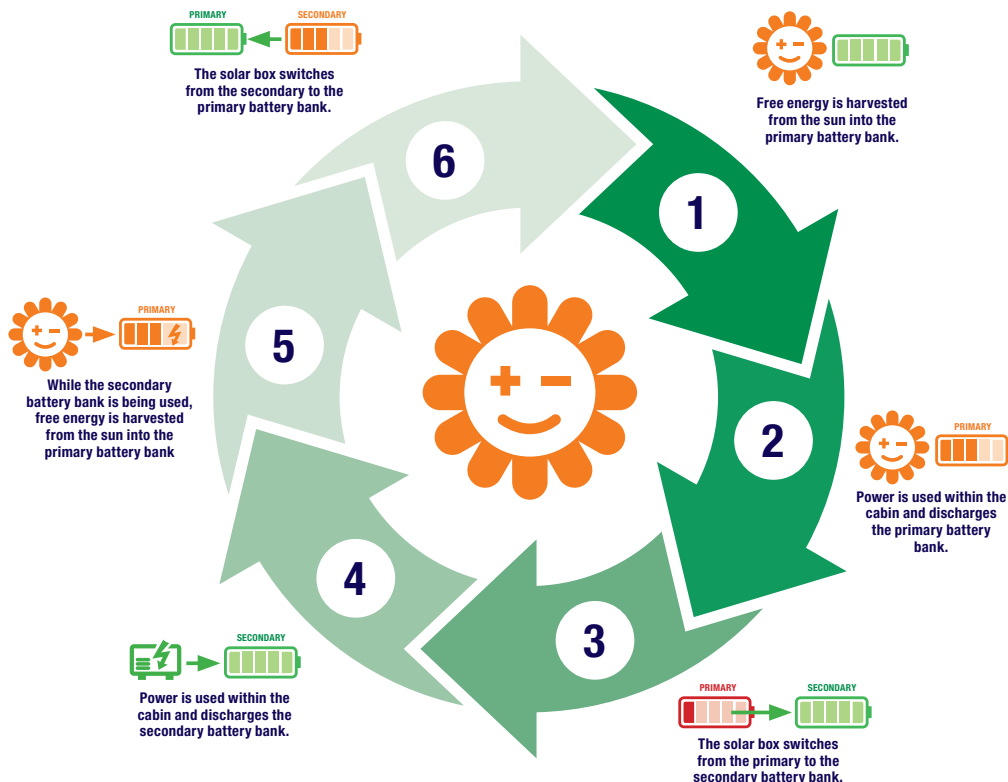
435 h
 Hours of generator run time saved



LOW CO₂
1.4 T
 Tonnes of carbon emissions saved

How it works.

Our unique patent pending Solar Box efficiently uses the sun's energy to power the cabin with the backup of a generator for the unpredictable British weather.



THE FUTURE IS HERE

No local carbon emissions. Proven, working, tested, *ready to hire.*



Hydrogen
Fuel Cell

Large
solar
panels



Hire product of
the year 2020

EasyCabin

EcoSmart ZERO^{CO₂}

Automatic self charging, hybrid power system

Large solar array + batteries + backup hydrogen fuel cell

Hydrogen gas, safe
and easy to use.
Available from any
major gas supplier.



Sunlight, available for FREE all day every day.
Extra bonus sunlight in the summer!



EasyCabin

Ecosmart ZERO^{CO2}

No local CO² emissions

A replacement for traditional diesel power systems, combining solar & hydrogen power to eliminate local carbon emissions.

Ecosmart ZERO is the first 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 cleaner fuels whilst maintaining reliability and cost effectiveness.

The Ecosmart ZERO fuel cell + solar system provides an opportunity to both reduce operating costs and increase environmental performance relative to the use of traditional diesel generator

welfare. ZERO is near silent, and emits only pure water vapour.

Ecosmart ZERO 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 battery bank. The batteries are constantly fed by the built-in hydrogen fuel cell and solar panels.

Clean air & ultra-low-emissions zones. Ensure your site welfare is compliant.

Hydrogen and fuel cell technology have the potential to provide solutions to the UK's most critical energy challenges – enabling growth while improving quality of life and minimising environmental impacts.

Most of the focus at the moment is on transport to reduce emissions in cities. London has the ULEZ (Ultra Low Emissions Zone) coming into place soon. London already has a growing fleet of hydrogen powered buses and taxis.

Major construction and infrastructure projects in London and other large cities have a huge carbon footprint. There is also a

large drive to reduce all carbon emissions on building operations and off-grid power supplies.

Hydrogen fuel cells are the ideal solution for powering small site welfare facilities in very built up areas. Zero emissions at site means that you can run your welfare cabin inside a building, or in a shopping centre.

Ultra low emission ZONE
ULEZ
At all times

Congestion charging ZONE
Mon - Fri
7 am - 6 pm

1/2 mile ahead

Ultra low emission ZONE

Clean air ZONE

Clean air ZONE
B
Charges apply
Pay online

EasyCabin

Ecosmart ZERO^{CO₂}

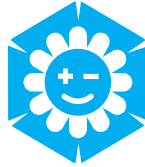
Automatic self charging, hybrid power system

Large solar array + batteries + backup hydrogen fuel cell



Zero carbon emissions

Only water vapour from the hydrogen fuel cell.



Zero fuel potential

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



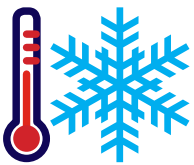
Near silent operation

Very quiet with no vibrations.



Safe & easy to re-fuel

Hydrogen gas bottles. Available from most gas suppliers. Easy to replace.



Heating & air conditioning

On demand hot or cold blown air



Ecosmart ZERO is available on the following models:



12

WF0360



16

WF0361



16+

WF0362



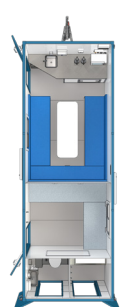
20

WF0363



20 Xtra

WF0364



22.9

WF0365

ON TEST - USAGE DATA

Daily usage, solar charge & hydrogen fuel consumption.

Measured from remote telemetry systems.

Model used



The end user has used the cabin exactly how you would expect over the last 6 weeks, items used = kettle, microwave, lights, heating, water heater, water pump and USB.

Location

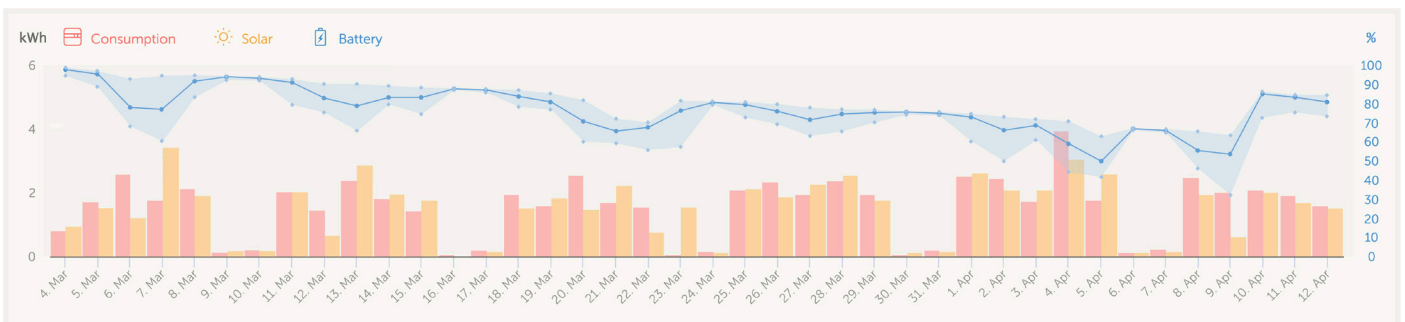
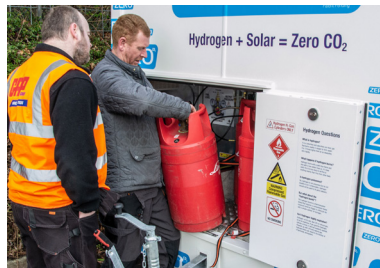
Heathrow Airport Long Stay Parking, Terminals 2 & 3, Eastern Perimeter Road, Longford TW6 2SB

In addition to the normal usage, they have moved the cabin which in turn uses the battery for the raising/lowering of the cabin.

Dates

Monday 4th March to Friday 12th April 2019

The solar absorption was so high during the trial, the hydrogen fuel cell only activated a battery re-charge once and used 40% of 1 bottle. If there was no solar within the ZERO product, 6 bottles of hydrogen fuel would have been used. Or if there was a standard 6kVA diesel generator running 8 hours per day, then over 450 litres of diesel fuel would be used.



⚡ = 66.29 kWh
Power used

☕ = Equivalent to over 1600 cups of tea

☀️ = 63.56 kWh
Solar charge

🔥 = 40% of 1 Bottle
Hydrogen used
















CO₂ = NONE

6 WEEKS
Total local CO₂ Emissions saved = **1,284 to 1,728kg**

1 YEAR
Total local CO₂ Emissions saved = **10.2 to 13.8tons**



1 Month Fuel Efficiency Comparison

	Generator Hours	Generator Litres	Diesel Cost @ £1.80 per litre	Total Solar Gain, W	Total silent running hours. Batteries only	Total Local CO2 Created, kg	Total local Co2 Emissions, Tonnes saved
6kVA Generic Diesel Welfare 12	200	375	£675	-	0	1,034	-
 WF0021 12	44	52	£93.60	-	157	144	0.890
 WF0043 12  Solar	36	43	£55.80	16,333	164	119	0.916
6kVA Generic Diesel Welfare 16	200	375	£675	-	0	1,034	-
 WF0026 16	49	58	£104.40	-	152	161	0.874
 WF0045 16  Solar	39	47	£61.20	16,333	161	130	0.904
6kVA Generic Diesel Welfare 16+	200	430	£774	-	0	1,186	-
 WF0022 16 +	174	208	£374.40	-	27	574	0.612
 WF0046 16 +  Solar	133	160	£288	16,333	67	441	0.745
6kVA Generic Diesel Welfare 20	200	430	£774	-	0	1,186	-
 WF0013 20	177	213	£383.40	-	23	587	0.599
 WF0042 20  Solar	137	164	£295.20	16,333	63	453	0.733
6kVA Generic Diesel Welfare 20Xtra	200	375	£675	-	0	1,034	-
 WF0024 20 Xtra	55	66	£118.80	-	145	181	0.853
 WF0047 20 Xtra  Solar	44	53	£95.40	16,333	156	146	0.889
6kVA Generic Diesel Welfare 22.9	200	430	£774	-	0	1,186	-
 WF0027 22.9	161	346	£622.80	-	39	954	0.232
 WF0044 22.9  Solar	124	266	£478.80	16,333	76	733	0.453

- (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) £1.80 per litre white 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 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

Using our welfare units could mean that you only need to fill your generators once a month rather than every day.



Welfare Tankers

GAP Welfare Services offers a full complement of waste tankers on vehicles ranging from 4x4's to 3.5 tonne, 7.5 tonne and 26 tonne lorries. All of our tankers are able to empty, clean and sanitise your toilets, welfare vans and welfare units, whether they are mobile or static.

Up to 500 gallons of non-potable water (not for drinking) can be delivered at any one time.

Up to 2,700 gallons of effluent tank or septic tank waste can be collected at any one time.

Welfare Van Servicing

We offer third party servicing and cleaning facilities for your own fleet of welfare vehicles. Contact us for a professional and efficient servicing and cleaning service which includes:

1. Removal of toilet cassette
2. Emptying waste into service vehicle
3. Wash down cassette with water and chemicals
4. Removal of water waste from cassette
5. Insertion of additive and fresh water
6. Re-installation of cassette and checking of flush system
7. Toilet and sink areas are wiped down where required including side walls around the toilet
8. Scent deodoriser sprayed at final stage



GAP
GROUP

WELFARE SERVICES

www.gap-group.co.uk

 DESIGNED & BUILT IN THE UK

 **EasyCabin**

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.

HYDRAULIC AXLE SETUP TIMES: While in un-hitched state, timed from the start of axle retract sequence, until the unit is seated and the cabin door is opened.

(i) Each day is a typical usage day.

(ii) 56p per litre red diesel & £7.86 per kw of Hydrogen. Hydrogen includes 4 canisters per delivery.

(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 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.

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v-10/2020