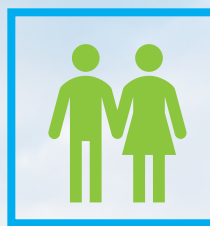


LIBERTY SOLAR RANGE



SOLARLOO

THE ECO-FRIENDLY TOILET SOLUTION



USING INTELLIGENT SOLAR POWER TECHNOLOGY, THE **LIBERTY SOLAR LOO** CREATES A SELF SUFFICIENT & HIGHLY ENERGY EFFICIENT PORTABLE TOILET UNIT THAT IS IDEAL FOR SECLUDED SITE LOCATIONS. IT'S PACKED WITH ALL THE ESSENTIAL AMENITIES YOU NEED



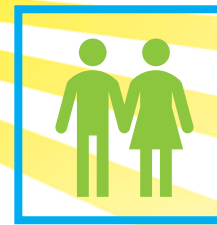
www.libertyguard.co.uk

0845 094 4487

sales@libertyguard.co.uk

SOLARLOO

THE ECO-FRIENDLY TOILET SOLUTION



UNISEX SINGLE TOILET, FULLY HEATED & SOLAR POWERED REDUCING FUEL COSTS



-  **GENERATOR FREE**
-  **100% RENEWABLE ENERGY**
-  **SOLAR POWERED**
-  **SILENT RUNNING**
-  **WASTE TANK INDICATOR**
-  **NEAR ZERO EMISSIONS**
-  **CARBON NEUTRAL**



SOLARLOO
LIBERTY

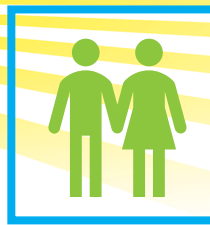
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SOLARLOO

THE ECO-FRIENDLY TOILET SOLUTION



- Size (mm): 2669 L x 1780 W x 2640 H
- 500L Waste tank
- Drop through toilet
- Stainless steel sink
- 400L Fresh water tank
- 53L Diesel tank
- 12v Diesel Webasto water heating system

- Secure locking system
- Suitable for any location
- Quality fittings
- Single toilet interior
- Integrated diesel/electric power
- PIR LED outdoor lighting
- Feminine hygiene bins

- 3 x 150W Solar panels with inverter
- 3 x 150AH Deep cell batteries
- 240v Backup battery
- Waste tank indicator
- On demand hot water
- Hot & cold freshwater taps
- Unisex facility

www.libertyguard.co.uk

0845 094 4487

sales@libertyguard.co.uk

12ft MOBI Ultimate Eco

Solar Powered Welfare Unit



www.libertyguard.co.uk

0845 094 4487

sales@libertyguard.co.uk

12ft Mobi Ultimate Eco

7 Person Welfare Unit



SOLAR POWERED

Virtually 100% of energy needs supplied by solar with 3.5kVA emergency generator.



REMOTE MONITORING

SOLARTrack™ system remotely reports energy use and production, tank levels, location and faults.



RECYCLABLE

Use of recyclable materials to ensure minimal end of life environmental impact. Over 90% recyclable and rising



HVO BIOFUEL

Natural renewable energy source – 90% reduction in CO2 and other harmful emissions.



NEAR ZERO EMISSIONS

A combination of solar energy and HVO biofuel use results in virtually zero CO2 emissions.



ENERGY SAVING

Highly efficient electrical system designed for the lowest levels of energy consumption.



CARBON OFFSETTING

Investment in sustainable woodland to offset the CO2 produced from manufacturing process.



DEDICATED SUPPORT

Comprehensive aftercare service with a fleet of nationwide engineers, full training plus phone and online support.



WATER SAVING

Patent-pending rain harvesting and grey water recycling WM Pro™ system cuts service visits by at least 50%.

The worlds most sustainable welfare cabin

12FT ULTIMATE ECO

KEY FINANCIAL BENEFITS



*Figures compare 12ft Deep Green Canteen with single fresh water toilet and drying room to standard 'eco' unit of the same specification.



£5041

Solar energy production coupled with low energy requirements means a 12ft cabin consumes an average 2345 litres of fuel a year less than a standard welfare cabin*. The annual saving will be approx £5041**.

**Based on market price of £2.15 litre for HVO biofuel.



£2020

The reduction of waste due to a combination of grey water recycling, microflush toilets and waterless urinals will cut service visits by 66%* and save an average £2020 per annum on toilet servicing costs**.

**Based on av. service cost of £75 per visit for fresh water toilet pumpout (water delivery element of this shown separately below)

**TOTAL
SAVING
PER YEAR
£9,043**



£320

With rain water harvesting, grey water recycling, microflush toilets and waterless urinals cutting water consumption, you'll save an average £320 per annum on Fresh Water Refill costs.



£250

Large lithium ion battery lasts approx 45 x longer than standard lead acid saving £250 per year on battery replacements.



£1412

Our patented generator has a 2000 hour service interval. Combined with a minimal generator run time, this creates a 99% reduction in service visits* and a saving of min. £1412** per annum including milage.

**Based on av. generator service cost of £280 including mileage



12FT ULTIMATE ECO

TRACKING & REMOTE MONITORING

Using our intelligent Track & Trace System, energy production and usage is monitored 24 hours a day, 7 days a week. Information can be accessed remotely via WiFi or using 3G/4G/5G internet connection.

Remote Energy Management

- ✓ Logs energy production from solar panels
- ✓ Records cabin energy consumption
- ✓ Monitors battery levels
- ✓ Real time and historical data available
- ✓ Location and weather information
- ✓ User friendly graphics

Generator Telemetry

- ✓ Remote fuel level monitoring and low fuel alarm
- ✓ Remote generator control inc. switch on/off; load management; optimised quiet hours and scheduled runs
- ✓ Remote fault reporting, diagnostics, and troubleshooting

Water & Waste Tanks

- ✓ Monitor waste and water levels remotely
- ✓ Low water and full water alarms
- ✓ Plan service visits precisely and reduce costs



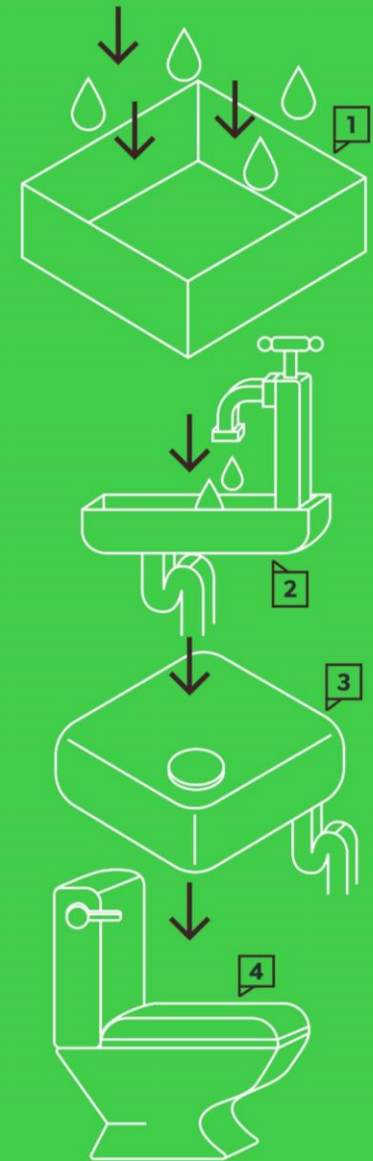
WATER SAVING

Our LIBERTY Welfare have been engineered to significantly reduce the amount of water needed to operate.

By clever use of rainwater harvesting and greywater recycling, this system benefits both the environment and the user. With far less fresh water needed, the need for services decreases dramatically meaning big savings in fuel, time and cash.

HOW IT WORKS

1. Rainwater is captured, sieved for large debris and stored in a tank
2. The rainwater is passed through a UV filter to sterilise it before being heated and used for washing hands
3. Water from the sink is transferred to a greywater tank
4. Water from the greywater tank is used to flush the toilet



20ft Ultimate Eco

Solar Powered Welfare Unit



LIBERTY
GROUP

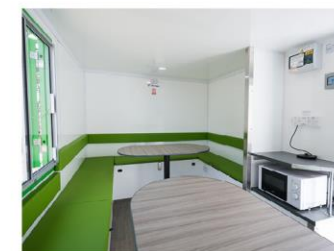
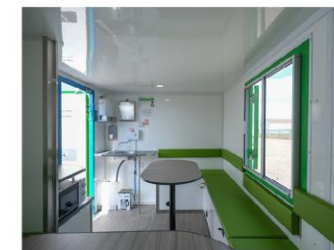
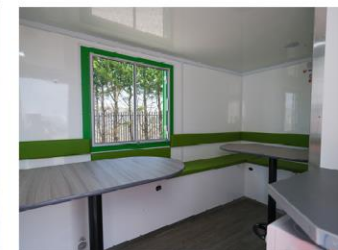
www.libertyguard.co.uk

0845 094 4487

sales@libertyguard.co.uk

20ft Ultimate Eco

12 Person Welfare Unit



SOLAR POWERED

Virtually 100% of energy needs supplied by solar with 3.5kVA emergency generator.



REMOTE MONITORING

SOLARTrack™ system remotely reports energy use and production, tank levels, location and faults.



RECYCLABLE

Use of recyclable materials to ensure minimal end of life environmental impact. Over 90% recyclable and rising



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Natural renewable energy source – 90% reduction in CO2 and other harmful emissions.



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WATER SAVING

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The worlds most sustainable welfare cabin

20FT ULTIMATE ECO

KEY FINANCIAL BENEFITS



*Figures compare 20ft Deep Green Canteen Office with single fresh water toilet and drying room to standard 'eco' unit of the same specification.



£6837

Solar energy production coupled with low energy requirements means a 20ft cabin consumes an average 3180 litres of fuel a year less than a standard welfare cabin*. The annual saving will be approx £7005**.

**Based on market price of £2.15 litre for HVO biofuel.



£2020

The reduction of waste due to a combination of grey water recycling, microflush toilets and waterless urinals will cut service visits by 66%* and save an average £2020 per annum on toilet servicing costs**.

**Based on av. service cost of £75 per visit for fresh water toilet pumpout (water delivery element of this shown separately below)

**TOTAL
SAVING
PER YEAR
£11,709**



£320

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Large lithium ion battery lasts approx 45 x longer than standard lead acid saving £250 per year on battery replacements.



£2282

Our patented generator has a 2000 hour service interval. Combined with a minimal generator run time, this creates a 99% reduction in service visits* and a saving of min. £2282** per annum including mileage.

**Based on av. generator service cost of £280 including mileage



20FT ULTIMATE ECO

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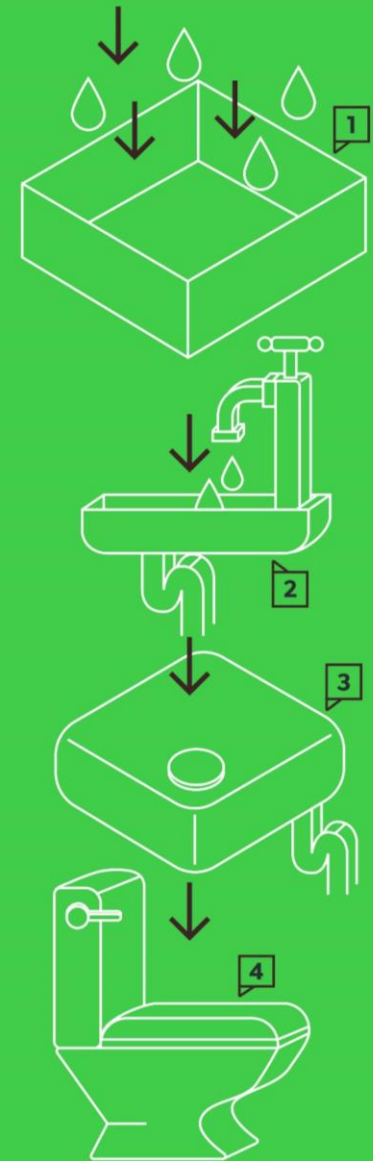
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3. Water from the sink is transferred to a greywater tank
4. Water from the greywater tank is used to flush the toilet



25ft SOLAR STATIC

15 Person Welfare Unit



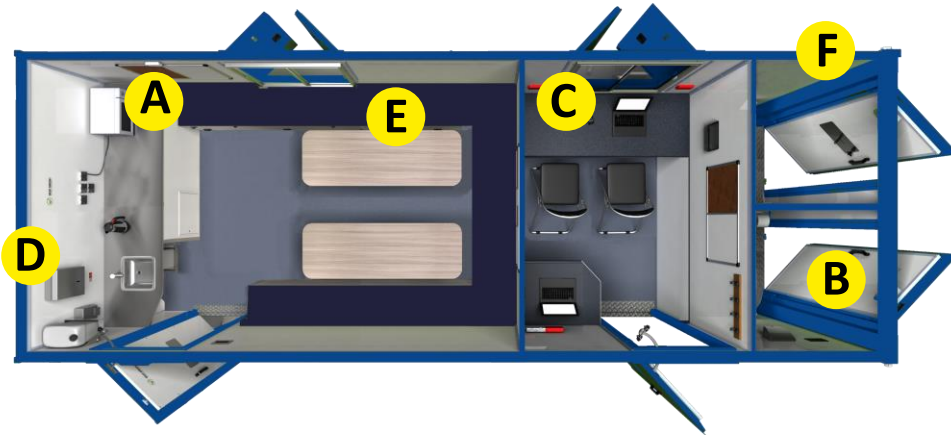
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25ft SOLAR STATIC

15 Person Canteen/Office



A – GENERATOR

- ✓ 7 KVA Generator
- ✓ Full service intervals included
- ✓ x2 Solar panels fitted

B – TOILET

- ✓ x1 toilet cubicle with external access
- ✓ No mains required fresh water microflush toilet

C – OFFICE

- ✓ x2 office chairs
- ✓ x2 desks & shelving
- ✓ Whiteboard & Notice board
- ✓ 12v diesel heating system throughout

D – KITCHEN

- ✓ Fitted kitchen; sink, cupboards, worktop
- ✓ Appliances; microwave & kettle
- ✓ Fridge
- ✓ Notice board

E – CANTEEN

- ✓ Seating for 15 people
- ✓ 12v diesel heating system throughout
- ✓ Bench seating with under storage sections

F – DRY ROOM

- ✓ x1 cubicle with external access
- ✓ Bench seating with under storage sections
- ✓ Clothes hooks

Fitted with Solar Panels to reduce running costs

28ft ECO PLUS

16 Person Welfare Unit



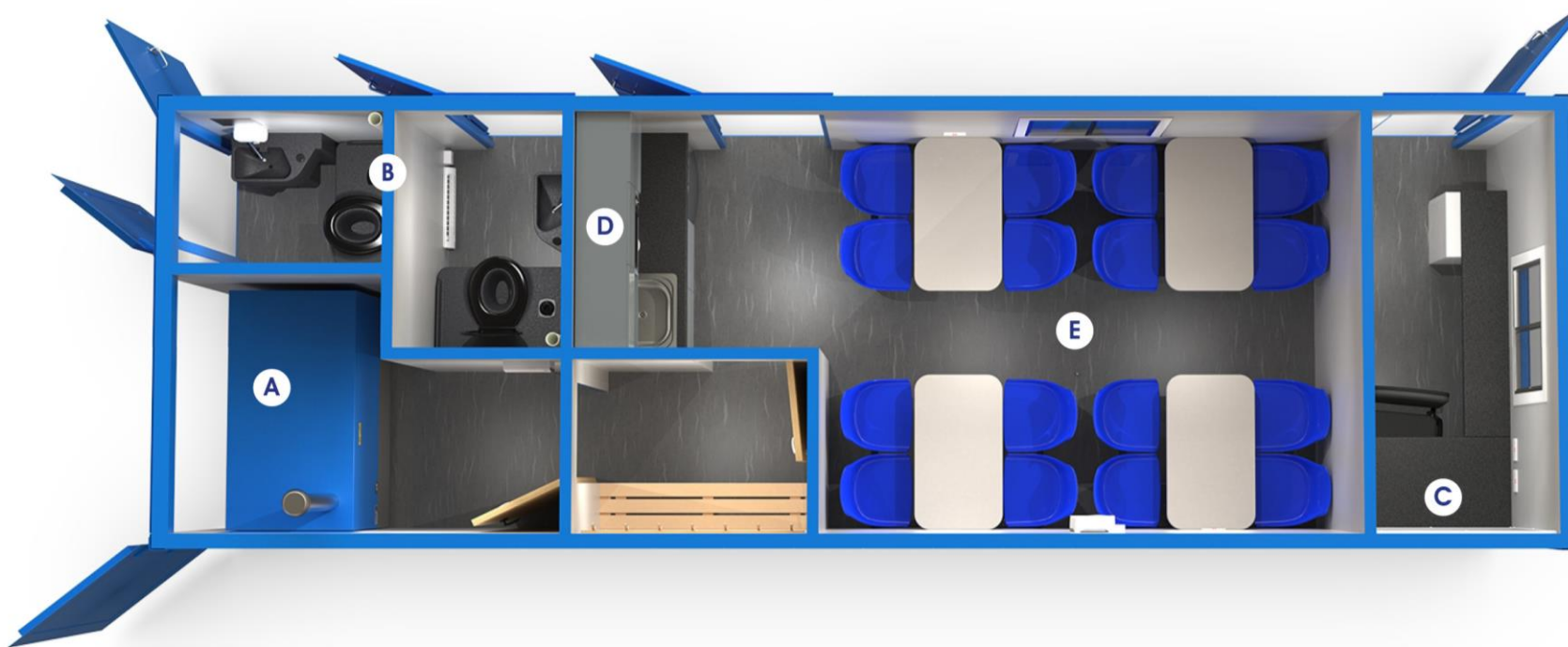
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28ft ECO Plus Twin Toilet

16 Person



A - GENERATOR

- ✓ 11 kVA Generator
- ✓ Full service intervals included
- ✓ 125lts Water tank
- ✓ 2 x solar Panels fitted

B - TWIN TOILET

- ✓ X2 toilet cubicle with external access
- ✓ No-mains required chemical toilet

C - OFFICE

- ✓ X1 Office chairs
- ✓ X2 desks & shelving
- ✓ Notice board
- ✓ diesel heating system throughout

D - KITCHEN

- ✓ Fitted kitchen - sink, cupboards & worktop
- ✓ Appliances - microwave & kettle
- ✓ Notice board
- ✓ Fridge

E - CANTEEN

- ✓ Seating for up to 16
- ✓ diesel heating system throughout

Fitted with Solar panels to reduce running costs

28'x12' Marketing Suite

SOLAR POWERED



STATE-OF-THE-ART TECHNOLOGY



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SPECIFICATION

28' x 12'

SOLAR-POWERED MARKETING SUITE

- Vinyl plank flooring
- Gloss grey fitted kitchen with worktops
- Sink with hot & cold running water
- Fridge, kettle & microwave
- Air blown hot & cool heating system
- Hot water on demand
- Internal overhead lighting
- USB power points
- Flushing toilet
- Instructional Videos included on an easy-to-use touch screen panel
- Remote Monitoring & Operation with a touch screen display to track; Solar Input, State of Charge, All Tank Levels
- Alarm Alerts programmed for all tank levels, for servicing ease
- Touch Screen Panel to control heating & hot water
- Galvanized steel shell
- UPVC Windows & Doors with tinted windows
- Curved fascia
- External advertisement board with LED lighting surround
- Remote control electric shutter
- With a PV Solar Panel System, with 24 panels





ECO BENEFITS



SOLAR POWERED



RAIN HARVESTING



NEAR ZERO EMISSIONS



100% RENEWABLE ENERGY



CARBON NEUTRAL



REMOTE MONITORING



NEAR ZERO NOISE POLLUTION



HUGE REDUCTION IN FUEL

FINANCIAL BENEFITS HUGE SAVINGS

RAINWATER HARVESTING

↓ **£400**

With the rainwater harvesting patented design, this intelligent technology will further produce savings on freshwater refills



FUEL ↓ **£20,000**

With solar energy production alongside low energy requirements, fuel savings could reach a massive 154 Litres per week, compared to a standard Liberty Marketing Suite



MAINTENANCE **ZERO**

Live monitoring from our head office, allows us to monitor and anticipate any issues, most of which can be resolved without having to attend onsite. This includes all tank levels, which are fitted with an alert system notifying our team and the customer, when a service is due



NOISE POLLUTION **ZERO**

With a PV Solar Panel System producing 3360w max of power, this unit will predominately run without the backup generator. Providing silent running, offering huge benefits to urban locations, residential areas and night projects



BATTERIES

↓ **£750**

We use the very best LIPO Batteries which last approximately 45 times longer than the Lead Acid / AGM Batteries offering significant savings



GENERATOR SERVICING

↓ **£1,200**

Generator servicing is no longer required, the small back-up generator will only be run periodically, monitored remotely by ourselves to test functionality, saving on generator servicing

SAVE

* All savings are estimated on a yearly basis and are compared with a Standard Liberty Marketing Suite

2 Bay 24'x 24' Marketing Suite

SOLAR POWERED

LIBERTY  **SOLAR Marketing Suite**



CARBON REDUCING

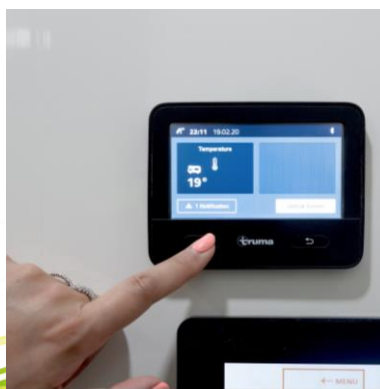
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0845 094 4487

sales@libertyguard.co.uk

SPECIFICATION 2 BAY 24' x 24' SOLAR-POWERED MARKETING SUITE

- Vinyl plank flooring
- Gloss grey fitted kitchen with worktops
- Sink with hot & cold running water
- Fridge, kettle & microwave
- Air blown hot & cool heating system
- Hot water on demand
- Internal overhead lighting
- USB power points
- Flushing toilet
- Instructional Videos included on an easy-to-use touch screen panel
- Remote Monitoring & Operation with a touch screen display to track; Solar Input, State of Charge, All Tank Levels
- Alarm Alerts programmed for all tank levels, for servicing ease
- Touch Screen Panel to control heating & hot water
- Galvanized steel shell
- UPVC Windows & Doors with tinted windows
- Curved fascia
- External advertisement board with LED lighting surround
- Remote control electric shutter
- With a PV Solar Panel System, with 32 panels



LIBERTY PRO-LIGHT

PRO-LIGHT MOBILE SOLAR LIGHTING TOWER

The award-winning Pro-Light is the only mobile solar lighting tower in the UK that operates reliably all year round, even in challenging winter conditions.



**ZERO
CARBON**

No fumes or
greenhouse
gas emissions

**ZERO
FUEL**

No diesel costs,
spills, or
refueling

**ZERO
MAINTENANCE**

Technology
allows you to
set up and
forget

**ZERO
NOISE**

Benefits for
urban locations
and night
projects

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LIBERTY PRO-LIGHT

The award-winning Pro-Light is the only mobile solar lighting tower in the UK that operates reliably all year round, even in challenging winter conditions. The Pro-Light is the cost-saving alternative to diesel-generator tower lights that's easy to set up - and forget. The Pro-Light never needs to be refuelled, so you save money and manpower, while it continues to provide powerful light with no noise, polluting emissions, or danger of spills.

TRUSTED, SMART AND SAFE

The Pro-Light offers a high-performance, low operating-cost alternative to diesel generator lighting. The trailer-mounted battery has three times the capacity of any other temporary solar trailer light on the market, so that even on winter days with 16 hours of darkness, the unit operates consistently and reliably.

REMOTE CONTROL AND MONITORING

Every Pro-Light is fitted with a micro-controller and tracking facility, so it can be switched on and off remotely, and key data such as power generated/ consumed and light on/ off settings, monitored and recorded. You can change the settings to suit the light conditions without attending on site - or we can do it for you. Customers can be provided with real-time web portal access

to Liberty's Remote Monitoring Service and we also provide a daily monitoring and control service to optimise the performance of each unit. Regular reports can be provided to track performance and carbon saved compared to conventional alternatives

MAST SAFETY SYSTEM

The Pro-light Automatic Mast Safety System (PAMS) is a fail-safe system that stops a light from being moved with the mast raised, avoiding danger

to personnel including inadvertent striking of overhead powerlines. The mast cannot be raised when the handbrake is on and is automatically lowered when the handbrake is released, e.g. before driving away

LIGHTING DESIGN SERVICE

Pro-light offers a full lighting design service to ensure you have the optimum temporary lighting configuration for your site.



APPLICATIONS

Infrastructure & construction projects
Site welfare compounds & walkways. Temporary car parks,
Off-grid emergency response,
Outdoor events and festivals

- Lux level: Min 20
- Lumens: 10,000 to 40,000
- Purpose developed, trailer-mounted power unit
- 4 x LED floodlights
- 4 x 380W foldable solar panels
- 7.5m telescopic mast
- Heavy-duty, deep-cycle batter technology

Available for hire or purchase.



Snorkel S3013E mini



SPECIFICATION

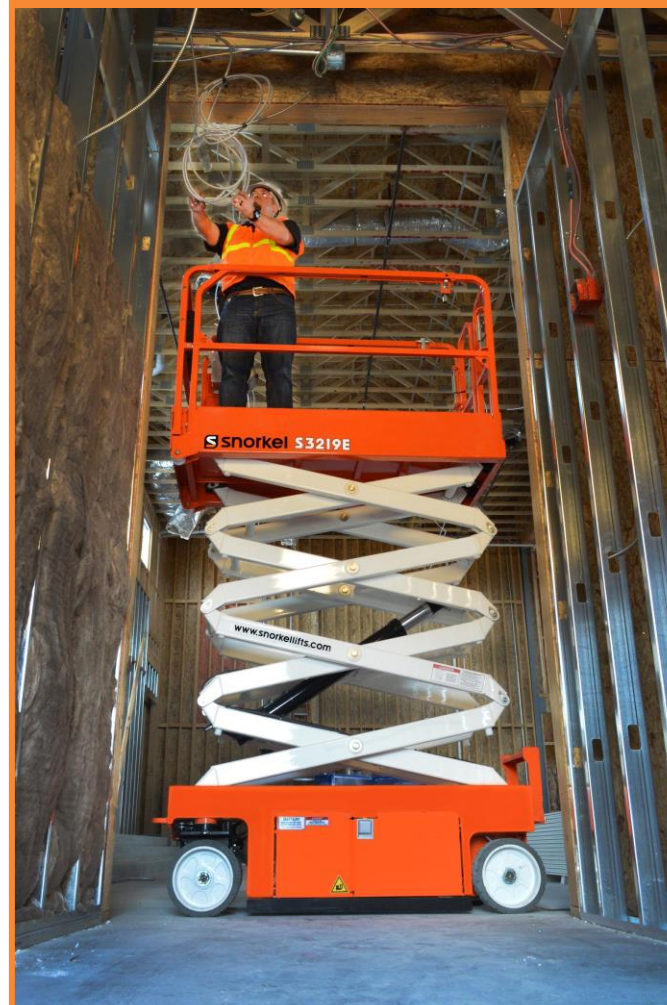
- Fully electric drive & steer
- Zero inside turning radius
- No hydraulic hoses
- Roll-out deck extension with dual locks
- Non-marking tires
- Swing-out service trays
- Saloon-door style entry gates
- Descent alarm
- All motion alarm
- 2 persons indoors
- 1 person outdoors
- Proportional controls, including descent
- Power line to platform
- Hour meter & on-board diagnostics display
- Integrated battery charger
- Battery condition indicator
- Platform overload system
- Flashing amber strobe
- ANSI A92.20 compliant
- Largest tires/wheels in its class
- Heavy-duty spindles and steering mechanism
- Robust aluminium fixed control box
- Crane & forklift points
- Lanyard attachment points

MAX WORKING
HEIGHT
5.79M

Kg
PLATFORM
CAPACITY
272KG

MAX
PERSONS
2

Snorkel S3219E



SPECIFICATION

- Roll-out deck extension with dual locks
- Non-marking tires
- Swing-out service trays
- Saloon-door style entry gates
- Descent alarm
- All motion alarm
- 2 persons indoor
- 1 person outdoor
- Proportional controls, including descent
- Power line to platform
- Loading pendant
- Platform overload system
- Flashing amber light
- Hour meter & on-board diagnostics display
- Integrated battery charger
- Battery condition indicator
- Crane & forklift points
- Dual lanyard attachment points
- Scissor stack roller slide plates (set of 2)

MAX WORKING
HEIGHT
7.79M

Kg
PLATFORM
CAPACITY
250KG

MAX
PERSONS
2

indoor
OUTDOOR



JOBSITE
tough



Snorkel S4726E



SPECIFICATION

- Roll-out deck extension with dual locks
- Non-marking tires
- Swing-out service trays
- Saloon-door style entry gates
- Descent alarm
- All motion alarm
- Proportional controls, including descent
- 3 persons indoor
- 2 persons indoor
- 1 person outdoor
- Loading pendant
- Power line to platform
- Platform overload system
- Flashing amber light
- Hour meter & on-board diagnostic display
- Integrated battery charger
- Battery condition indicator
- Crane & forklift points
- Dual lanyard attachment points
- Scissor stack roller slide plates (set of 2)

MAX WORKING
HEIGHT
9.80M

 PLATFORM
CAPACITY
454KG

 MAX
PERSONS
3

Snorkel S4732E



SPECIFICATION

- Roll-out deck extension with dual locks
- Non-marking tires
- Swing-out service trays
- Saloon-door style entry gates
- Descent alarm
- All motion alarm
- Proportional controls, including descent
- 1 person outdoor
- Loading pendant
- Power line to platform
- Platform overload system
- Flashing amber light
- Hour meter & on-board diagnostic display
- Integrated battery charger
- Battery condition indicator
- Crane & forklift points
- Dual lanyard attachment points
- Scissor stack roller slide plates (set of 2)

MAX WORKING
HEIGHT
11.8M

 PLATFORM
CAPACITY
350KG

 MAX
PERSONS
1

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HIGH SPECIFICATION ACCOMMODATION

MARKET LEADING SOLAR PRODUCTS

COMPETITIVE RATES

OVER 40 YEARS INDUSTRY EXPERIENCE

ONE-TO-ONE CUSTOMER COMMUNICATION

RELIABLE SERVICE

SELF-CONTAINED ACCOMMODATION

