

# Solatainer® Off-grid Solar Power Generator

The **Proelectric Solatainer®** provides dependable, solar-generated electricity that can be used as the primary source of off-grid power on site compounds in the construction, rail and infrastructure sectors.

The Solatainer is a stand-alone generator that achieves a massive reduction in diesel usage compared to conventional generators. Fuel and manpower costs are therefore dramatically reduced, normal running is silent, and emissions are minimal.

Available for hire or cross-hire.

## Applications

Power for site compounds  
Site offices  
Welfare cabin, canteen, toilets  
On-site equipment, inc power tools, gantries, cameras etc

## Our Customers Include

A14 Integrated Delivery Team  
Costain  
Hinkley Point (Kier / BAM)  
Thames Water  
Colas Rail  
Network Rail

### ULTRA-LOW EMISSIONS

Minimal fumes and carbon emissions



### MINIMAL NOISE

Benefits for urban locations and night projects



### MINIMAL FUEL

Minimal diesel and refuelling costs



### LOW MAINTENANCE

Autonomous running  
Set up and forget



# Solatainer® Off-grid Solar Power Generator



## Reliable, Renewable Power

The Solatainer is the UK's first autonomous solar-powered off-grid generator with a proven track record in hundreds of projects sites in the rail and construction sectors nationwide.

Modelled on a standard 20ft shipping container, the Solatainer's array of photovoltaic (PV) solar panels harvests energy during the day to charge on-board lithium ion or deep-cycle lead acid battery storage.

- Dimensions: 6.06 x 2.44 x 2.59m
- Weight 3092kg

## Diesel Savings

Fuel usage is typically reduced by 80% compared to a conventional diesel generator.

## Configurable

A standard Solatainer can be used as a direct replacement for a diesel generator for power demands up to 25 kW. The Solatainer is also scalable up to 100 kW, by increasing the size of the photovoltaic array and the battery capacity.

A standard Solatainer comprises of a PV array, 6Kw/h battery pack and 6Kw stand-by generator, however every Solatainer can be configured to meet the power needs of your site.

## Complete Energy Security

The Solatainer's automated system is programmed to demand power from the standby diesel generator when the batteries are depleted below a set limit, or to respond to a spike in demand.

## Remote Control and Monitoring

Each Solatainer is equipped with a micro-controller and GPS tracking, so it can be switched on and off remotely, and key data such as power generated/consumed can be monitored and recorded. You can change the settings without attending on site – or we can do it for you. Regular reports can be provided to track performance and carbon saved compared to conventional alternatives.

## Electrical Certification

The Solatainer is delivered fully-charged and set up for you on site by the Proelectric team, with a full distribution board. Our fully-qualified electricians hand over a certified system to you that's immediately ready to operate.