

Solatainer[®] Off-grid Solar Power Generator

The **Prolectric 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



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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 Prolectric team, with a full distribution board. Our fully-qualified electricians hand over a certified system to you that's immediately ready to operate.



Contact us

Tel: 01275 400 570

Email: enquiries@prolectric.co.uk

Unit 35, Hither Green Industrial Estate, Clevedon,
North Somerset, BS21 6XU