

CAIRNCROSS

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Shaping Future Infrastructure

Solar Generator

Sustainable Power – Available for Hire





Contact Cairn Cross
today to discuss your
temporary power
requirements and
discover how our Solar
Generator can support
your next project.



Powering Projects. Protecting the Environment.

The Cairn Cross Solar Generator is a reliable, environmentally friendly temporary power solution designed to support construction sites, rail infrastructure projects, utilities, events and remote locations.

By combining solar technology with intelligent battery storage, our units provide dependable power while significantly reducing fuel consumption, noise and carbon emissions compared with traditional diesel generators.

Whether you require temporary power for a short-term project or a long-term installation, our flexible hire options provide an efficient solution tailored to your needs.

**Power your project
the smarter way.**

Why Choose a Cairn Cross Solar Generator?

- ▶ **Solar Powered**
Harness renewable energy to reduce reliance on diesel fuel.
- ▶ **Battery Storage**
Reliable power day and night with integrated energy storage.
- ▶ **Lower Emissions**
Help reduce your project's environmental impact and support sustainability goals.
- ▶ **Quiet Operation**
Ideal for rail depots, construction sites, urban environments and noise-sensitive locations.
- ▶ **Reduced Running Costs**
Lower fuel consumption means lower operating costs throughout your project.
- ▶ **Reliable Performance**
A dependable power source for both planned and emergency applications.

Why Choose a Cairn Cross Solar Generator?

Hire a Cairn Cross Solar Generator today.

Real Project Results

The Cairn Cross Solar Power Generator is designed to provide a cleaner, more sustainable alternative to traditional diesel generators, helping businesses reduce fuel consumption, lower operating costs and significantly cut carbon emissions.

Please note: Performance figures will vary depending on weather conditions, daylight hours and the time of year.

Based on seven months of operating a traditional 45kVA diesel generator, average diesel costs were:

Traditional Diesel Generator

- ▶ Average monthly diesel cost: £914.28
- ▶ Based on approximately 10 hours of operation per working day
- ▶ Diesel price based on £1.60 per litre

Over the last 30 days:

- ▶ Internal diesel generator operated for just 12 hours
- ▶ Total diesel cost: £50.64

Monthly Fuel Saving - £863.64 Saved Every Month

As solar generation supplies the majority of the site's power, the diesel generator is only required as a backup during periods of low solar production.

Powering the Future
of Infrastructure

Renewable Energy in Action

Over a typical 30-day period:

- ▶ Approximately **20 working days**
- ▶ Equivalent to **200 operating hours** using a conventional generator

With the Cairn Cross Solar Power Generator:

- ▶ Diesel generator operation reduced to **12 hours**
- ▶ **188 hours powered by renewable solar energy**

This dramatically reduces fuel consumption while maintaining a reliable power supply.

Carbon Reduction

Using a conventional diesel generator for 200 hours would produce approximately:

1,531.78 kg of CO₂

Using the Cairn Cross Solar Power Generator reduced emissions to:

84.98 kg of CO₂

Monthly Carbon Saving

1,446.80 kg of CO₂ Saved Every Month

That's the equivalent of removing a significant amount of carbon emissions from your project every month while still delivering dependable site power.

An Efficient, Reliable and Environmental Solution

Smarter Power. Lower Costs.
Reduced Carbon.



Key Features

- ▶ Solar Powered Technology
- ▶ Intelligent Battery Storage
- ▶ Low Noise Operation
- ▶ Reduced Diesel Consumption
- ▶ Lower Carbon Emissions
- ▶ Robust, Secure Design
- ▶ Suitable for Remote Locations
- ▶ Flexible Hire Periods
- ▶ Nationwide Delivery

Ideal For

- ▶ Rail Infrastructure Projects
- ▶ Construction Sites
- ▶ Site Offices & Welfare Facilities
- ▶ Temporary Accommodation
- ▶ Events & Outdoor Venues
- ▶ Utilities & Highways
- ▶ Remote & Off-Grid Locations
- ▶ Emergency Power Requirements

Benefits

- ▶ Sustainable alternative to traditional diesel generators
- ▶ Reduces fuel usage and operating costs
- ▶ Supports environmental and sustainability objectives
- ▶ Minimises noise pollution
- ▶ Reliable temporary power wherever it's needed
- ▶ Quick deployment and installation
- ▶ Expert technical support throughout your hire period
- ▶ Lower operating costs
- ▶ Significantly reduce carbon emissions
- ▶ Renewable energy for everyday site power
- ▶ Intelligent hybrid backup when required
- ▶ Available for short and long-term hire

Reliable. Sustainable.
Cost Effective.

Whether you're working on a rail depot, construction site, utilities project or remote location, the Cairn Cross Solar Power Generator provides an efficient, reliable and environmentally responsible temporary power solution.



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