



**Specialist
Services**
Quality First Time, On Time



ECO-GEN

GREEN FUTURE IN ROAD SIDE TECHNOLOGY

KEY CAPABILITIES

- ◆ Self-sustaining power system generating power from solar energy with integrated battery system for energy storage and hydrogen fuel cell back up.
- ◆ Point to Point data transfer through 4G/5G.
- ◆ Efficient rapid deployment.
- ◆ Protected from unauthorised access - with email alerts.
- ◆ Total solution for temporary or semi-permanent deployment in low infrastructure areas and remote locations.
- ◆ Real-time data transfer for 24hr CCTV, Highways safety applications.

ADVANCED SOLAR TECHNOLOGY WITH HYDROGEN FUEL CELL
BACK-UP TO PROVIDE RELIABLE, EFFICIENT POWER
FOR TEMPORARY OR SEMI-PERMANENT INSTALLATIONS.

SPEAK TO OUR TEAM TODAY

WWW.SOLARGATES.CO.UK

The ECO-GEN is a durable, ethically built off-grid power and communications system from P&D Specialist Services. Designed for challenging environments, it supports CCTV and highway safety where traditional infrastructure is limited, using advanced solar technology with hydrogen fuel cell backup to provide reliable, efficient power for temporary or semi-permanent installations.

GENERATOR BASE



Weight Excludes Solar Panels & any Additional Fitted	
Hardware	820kg
Dimensions Exclude Solar Panels	
Length	2996mm
Width	2475mm
Height	2500mm

HYDROGEN FUEL CELL

The ECO-GEN is equipped with a Hydrogen fuel cell to provide efficient clean zero carbon emissions power source to supplement solar energy.

A clean energy, highly efficient small generator. A flexible alternative to small petrol and diesel generators or battery banks.

Providing peak power whenever you need it. Incorporating ground-breaking hydrogen fuel cell technology, which produces electricity from the reaction between hydrogen and oxygen from the air.

AVAILABLE FOR
HIRE & SALE

- ◆ ADJUSTABLE FEET TO ALLOW SECURE LEVEL SEATING.
- ◆ ADJUSTABLE SOLAR ARRAY SUPPORT FRAME FEET.
- ◆ GALVANISED SOLAR ARRAY STRUCTURE.
- ◆ POWDER COATED RAL1023 TRAFFIC YELLOW CABINET.
- ◆ LOCKABLE SECURE ACCESS PANELS. IP RATED ENCLOSURE
- ◆ VENTILATED CABINET ALLOWING SAFE AIR FLOW & VENTILATION

CALL: 01622 534000
FOR A QUOTE

REAL TIME PERFORMANCE MONITORING

Real time performance monitoring supplied by VRM system allowing performance monitoring and remote communication with the ECO-GEN MONITORING CAPABILITIES
The Fuel Cell output is measured which can be viewed remotely to allow notification of the gas consumed ensuring efficiency in maintenance visits, supported by a low-pressure alert system.

SPEAK TO OUR TEAM TODAY

01622 534000 / SALES@SOLARGATES.CO.UK



KEY CAPABILITIES

- ◆ Solar energy with integrated battery system for energy storage.
- ◆ Efficient rapid deployment.
- ◆ Protected from unauthorised access.
- ◆ Total solution for temporary or semi-permanent deployment in low infrastructure areas and remote locations.
- ◆ Powering Real-time data transfer for 24hr CCTV, Highways safety applications.

ECO-VAULT

GREEN FUTURE IN ROAD SIDE TECHNOLOGY

ETHICALLY PRODUCED, OFF-GRID POWER AND COMMUNICATIONS
SYSTEM BUILT FOR DEMANDING ENVIRONMENTS.

SPEAK TO OUR TEAM TODAY

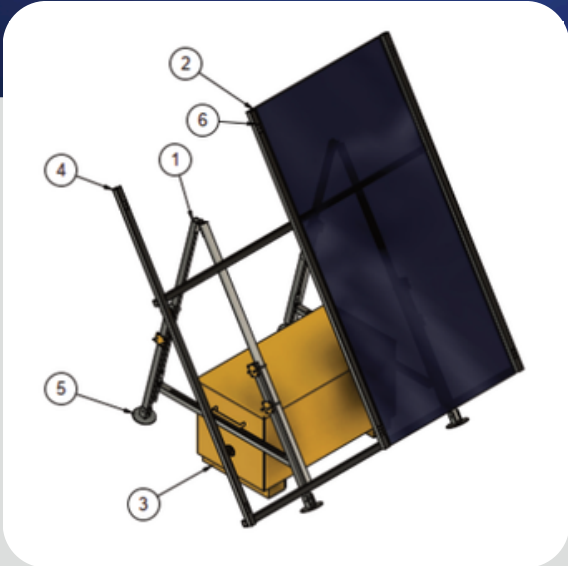
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The ECO-VAULT, designed and manufactured by P&D Specialist Services is an ethically produced, on-grid power and communications system built for demanding environments. Using advanced solar technology, it delivers reliable energy for CCTV and highway safety applications, making it an ideal solution for temporary or semi-permanent installations where traditional infrastructure is limited.

VAULT BASE

AVAILABLE FOR
HIRE & SALE



- ① A-FRAME ASSEMBLY
- ② SOLAR PANEL - STEEL
- ③ SOLAR VAULT - STEEL
- ④ SOLAR PANEL FRAME ASSEMBLY
- ⑤ LEG ASSY - STEEL
- ⑥ SOLAR PANEL CLAMP - ALUMINIUM

Weight Excludes Solar Panels & any Additional Fitted	
Hardware	380kg
Dimensions Exclude Solar Panels	
Length	1664m
Width	m
Height	2475m

m
2431m
m

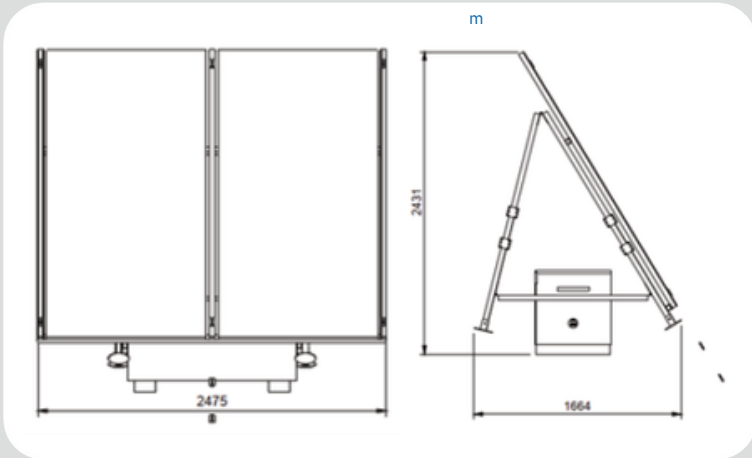
CALL: 01622 534000
FOR A QUOTE

REAL TIME PERFORMANCE MONITORING

Real time performance monitoring supplied by VRM system allowing performance monitoring and remote communication with the ECO-VAULT.

BATTERY CHOICE

Customers can choose between advanced lithium batteries for longer life and higher efficiency, or AGM lead-acid batteries for a cost-effective, reliable power solution. Allowing them to select the option that best suits their operational needs.



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