



Supporting critical infrastructure since the 1970s by delivering complex engineering solutions from concept design to completion.

Power Port

Total approach, incorporating photovoltaic (PV) and integrated Electric Vehicle supply equipment (EVSE); a solution developed with the environment and sustainability at the heart of its design.

Designed in the UK. Manufactured in the UK for the future of net zero carbon!

www.centregreat.co.uk



A Universal Solution

The most flexible all-in-one EVSE on the market that is customisable to accurately meet the client and project specifications, including the additional options:

- Company Branded Power Port
- Digital Advertising
- Lighting System
- CCTV

The Power Port is a fully factory built and tested, modular EVSE solution designed to deliver fast and rapid EV charging. In addition, this solution offers reduced project risk and expenditure, owing to its simple and flexible design.



sustainable

space-saving

modular innovative

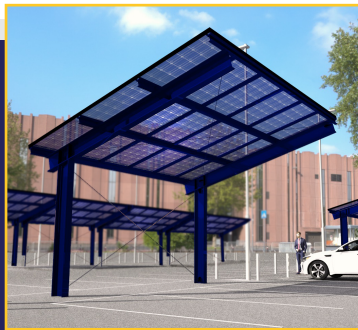
scalable

flexible



Structural Design Options

Centregreat in-house manufacturing plant has the capacity to produce simple and complex structural designs ranging from standard skeletal portal frames to a **bespoke integrated EVSE system**.



Skeletal Portal Frame



PV Solution & Technical Design Modelling

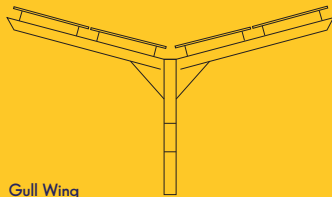


Fully Integrated EVSE system

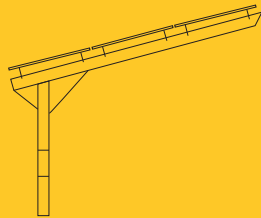


Structural Inclination

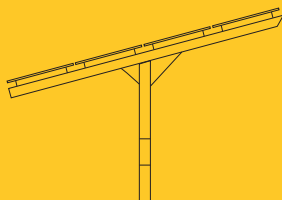
Design will be informed by the project criteria and the bespoke PVSol report.



Gull Wing



Mono Pitch

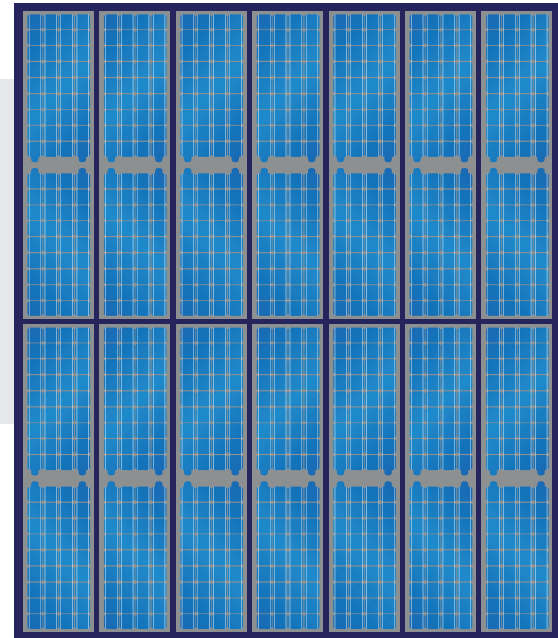


Dual Pitch Cantilever

Following a comprehensive survey and PV solution report, Centregreat will manufacture a bespoke Power Port structure to achieve maximum solar yield from the PV modules.

Centregreat uses superior glass/glass PV modules, built for longevity, increased protection and performance.

Array Design & Output



28 Vision Sky Modules x 185wp = 5,180 kW

28 Vision 60 Modules x 320 wp = 8,960 kW



Inverter

- **Energy Storage & Backup Power** - the inverter can increase independence from the grid. It can easily be installed with solar battery storage, or the solar battery backup can be added at a later date, as everything required is already included within the solar inverter.
- **Multi Flow Technology** - enabling you to generate energy via PV while charging your battery/ EV , with surplus power fed back into the grid.
- **Reliable Emergency Power Supply** - provide you with a full backup solution enabling you to use stored power during a blackout.
- **Smart Monitoring** - at the tip of your finger, allowing you to analyse and optimise your PV system quickly and conveniently via a smart-phone, tablet or laptop.

Battery Storage

- **Modular** - can be adapted to suit precise energy needs.
- Each stack has its own **command system**.
- Has its own **battery management system** to maximise the battery capacity, and prevents under-charging/ over-charging, ensuring your system runs within its safe operating area.
- All of the battery data can be accessed via its own **Portal**.

Charging

From **Slow, Fast to Rapid** charging we have an option to suit your needs:

- Our EVSE partners offer back end capabilities via App /portal allowing you to monitor and collate data from the charger you select.
- Integrated 4G modem, **Future Proof** with firmware updates.
- Plug and charge ready with **RFID** (Smartcard) capabilities.



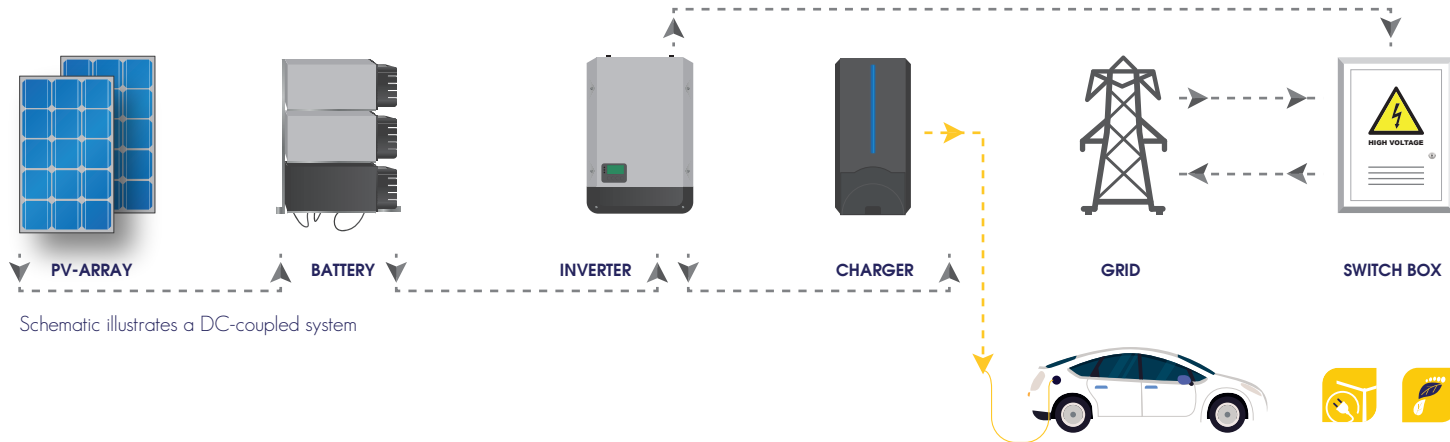
Systems & Monitoring

In the first instance, Centregreat will conduct a comprehensive survey to complete an EVSE solution that will determine what level and type of PV power generation devices, grid-connected inverters and supporting AC/DC devices are selected.

Once the EVSE system is installed it is vital that you are able to monitor and verify it's performance to ensure you get the most from your investment.

Features & Benefits:

- All EVSE come with enhanced warranties.
- Seamlessly connect to third party systems.
- Connects to the internet via a LAN or WLAN.
- Analyses the conditions of the grid for connection, the power generation quality and volume.
- Reduced downtime.
- Optimised efficiency.
- Timely Intervention & troubleshooting.
- Reduced operational expenditure.
- Track the return on investment.



**DESIGN**

Centregreat employs the latest PVSol software to conduct dynamic project simulations producing 3D visualisation and detailed shading analysis to calculate photovoltaic systems, combined with appliances, battery systems and electric vehicles. The PV solution report provided by Centregreat will consider the critical external factors, standing charges and forecasted electricity consumption; to produce an accurate ROI projection.

**MANUFACTURE**

All Centregreat manufactured steel portal structure elements are fabricated, CE marked in-house and guaranteed to last. From engineering to fabrication, our team will turn your bespoke design into a reality.

**INSTALL**

The modular plug and charge design facilitates installing a 4-bay Power Port EVSE or a series of interconnected Power Port to meet the specific site requirement. We offer a complete installation service provided by the in-house specialist team, including ground works, steel frame erection, EVSE connections and system commissioning by accredited installers certified in micro-generation certification scheme (MCS).

**MAINTAIN**

The operation and maintenance (O&M) of your EVSE system is something Centregreat takes very seriously. Our remote monitoring solutions will ensure timely intervention and assurance that your EVSE and investment is performing optimally at all times. Centregreat also offers a range of scheduled maintenance packages to provide proactive, not reactive, maintenance of its systems.

TRUSTED EVSE PARTNERS

Responsibly sourced, award winning supply-chain team.

Turnkey supplier and manufacturer

centregreat
limited

In-house steel fabricator.

HAYES
engineering & cladding
limited

Leading battery of PV manufacturer

SOLARWATT®
power to the people

In-house Solar Power installation

SolarCentric

Swansea University initial R&D advisor

specific®

Internationally renowned systems integrator

Webasto
Feel the Drive

Award winning Inverter manufacturer

Fronius





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