



ENERGIA
POWER SOLUTIONS

Solar PV PowerPorts™

*"The most powerful Modular Mobile
Solar PowerHub in the world"*



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The Energia Solar PV PowerPorts™ provide, lightweight and efficient solar charging and storage structures for electric vehicles that double as sheltered or shaded carports.

Can be used to provide shelter and power to any vehicle including cars, 4x4's, trucks, electric motorbikes and bicycles.

The Energia Solar PV PowerPorts™ provides additional power for a buildings' use where roof space is limited and can be used to provide power to a workshop or emergency power to housing.

Constructed in a kit form, this unit is designed to withstand severe weather when anchored to the ground while remaining open to facilitate airflow.

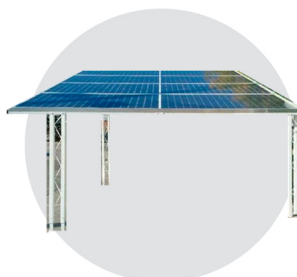
The Energia Solar PV PowerPorts™ glassless Solar PV modules significantly reduces the risk of breakage due to vandalism or from accidental vehicular collision.

STRUCTURAL

The ultra-lightweight glassless Energia solar PV modules (less than half the weight of conventional glass panels) allow for maximum roof coverage as well as a far easier fixing system compared to glass panels.

PLANNING

Planning is generally not required for 'freeform' structures although please ensure local building/planning regulations are adhered to.





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Ultra Light-Weight Glassless PV Panels

Our Solar PV panels are manufactured using a unique material process including an expanded polystyrene fire-retardant core, backed with a proprietary fiberglass-skin construction and finished with a proprietary laminated Solar PV composite. This complete composite renders the panels extremely strong and durable, able to withstand up to hurricane-force winds.

Manufactured to meet ISO 9001, 14001 and 198001 standards, these quality panels are examples of a quality throughout.

- Mono or Polycrystalline silicon P & N cells, with each cell capable of creating up to 6 watts per hour
- Glassless Panels significantly reduces the risk of breakage
- Panels are designed for extreme environments and able to withstand hurricane force winds of over 200mph.
- Higher performance and capacity as panel construction dissipates heat making the panel more energy efficient
- Built for rugged and frigid temperatures.
- Maximum 15 % efficiency degradation over 30 years using new N cell technology

