



# Christmas Island solar energy metering system

Why did we install solar & battery storage systems on Christmas Island?

Christmas Island - home to the greatest migration of red crabs in the world, and an island that is almost all national park. We installed solar and battery storage systems at two sites on Christmas Island for Parks Australia to provide clean power to their main headquarters and research field station.

Does Christmas Island National Park have solar & battery storage?

Solar and battery storage for Christmas Island National Park. Christmas Island - home to the greatest migration of red crabs in the world, and an island that is almost all national park.

How can PRL group lead Christmas Island towards a sustainable future?

Our ambition is to help lead Christmas Island towards a sustainable future based on renewable energy. PRL Group have committed towards rooftop solar for all its owned properties on the island, and the design and development of a large-scale solar energy system for Christmas Island.

Can solar power a seed cleaning shed on Christmas Island?

As part of a scientific research focusing on agriculture on exhausted mining areas, a seed cleaning shed on Christmas Island is being powered by solar+storage.

What can Christmas Island do for tourism?

The study includes a detailed assessment of the natural assets of Christmas Island and will assess the potential tourism opportunities suitable for remote island tourism development in the region. The work will produce a range of potential tourism offerings for the island including eco, agricultural and adventure tourism.

What is Christmas Island known for?

Image: Tesvolt With a picturesque national park occupying most of its territory, home to many animal and plant species including a prodigious population of red crabs, Christmas Island is also known for intensive phosphate mining and severe ecological stress it brings.

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Your solar system is generating power; your home or facility is using it. Our Omnimeters along with the Push3 system provide data in Net Watts/Net kWh so you can see in real-time whether you are consuming more or generating more power/energy at any point of the day, month or year.

Our services includes solar and battery projects, commercial and industrial electrical installations and

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maintenance, emergency backup power systems, civil works, trenching, and excavation, service location and survey, and assistance with other infrastructure projects including fibre optic and communications for government agencies.

The Australian Government's Indian Ocean Territories (IOT) Power Service is changing the way renewable energy is regulated on Christmas Island (CI) and the Cocos (Keeling) Islands (CKI), ...

Delivered in cooperation with Australian EPC Unlimited Energy, the off-grid system is powering a far-flung farm by the combination of a 53 kW solar PV installation, which feeds into a 160 kWh saltwater battery system from U.S. producer Aquion Energy and a 48 kWh lithium-ion battery from German manufacturer Tesvolt.

The solution is comprised of: 11,7 kW solar installation and 14.4kWh Tesvolt battery system. The switch from polluting diesel to renewable energy has resulted in lower maintenance, silent and environmentally friendly operation and lowered operational costs by around 75%.

The Australian Government's Indian Ocean Territories (IOT) Power Service is changing the way renewable energy is regulated on Christmas Island (CI) and the Cocos (Keeling) Islands (CKI), to generate greater local interest in, and uptake of, solar systems.

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Solar Energy Resources In Christmas Island. Christmas Island experiences solar irradiation levels reaching approximately 6.25 kilowatt-hours per square metre per day on average over a year. ...

Small scale solar for the local community. We installed small scale solar power systems across the islands to start the transition to a clean, sustainable future for local communities.

Resources & Energy. Christmas Island Phosphates; Indian Ocean Oil Co. Kemoil; Agri-Business. Liven Nutrients; Phosphate Resources Malaysia; Facilities & Logistics. CI Maintenance Services; PRL Shipping; Investing into the Indian Ocean Territories. Indian Ocean Stevedores; Cocos Cottages; Developing Christmas Island; Our Community, Our Future ...

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