

# **Christmas Island advance energy systems**





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### Christmas Island Power Station.

Christmas Island Power Station. 2012 - Design, specification, tender technical evaluation and technical assistance during construction of the extension to Christmas Island Power Station. This involved four Wartsila 2.6MW diesel ...

### Geology

Christmas Island is the peak of a basalt volcanic seamount which rose steeply 5,000 metres from the ocean floor about 60 million years ago. The highest point of the island is Murray Hill, which rises to 361 m above sea level. The island's emergence is a result of a series of geological uplifts over 10 or so million years.



### Developing Christmas Island

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 ...

### Christmas Island Power Station

Equipment and components designed to withstand the harsh coastal environment conditions of Christmas Island. Individual generator halls supplied with filtered ventilation air and the electrical control room temperature-



controlled air conditioning.



### Christmas Island Power Station

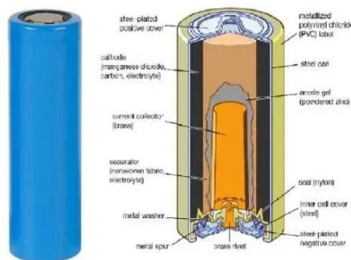
Equipment and components designed to withstand the harsh coastal environment conditions of Christmas Island. Individual generator halls supplied with filtered ventilation air and the ...

### Solar Power on Christmas Island

Resources & Energy. Christmas Island Phosphates; Indian Ocean Oil Co. Kemoil; Agri-Business. Liven Nutrients; Phosphate Resources Malaysia; Facilities & Logistics. CI Maintenance ...

12.8V6Ah

- Nominal voltage (V):12.8
- Nominal capacity (Ah):6
- Rated energy (Wh):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (A):6
- Floating charge voltage (V):13.6-13.8
- Maximum continuous discharge current (A):10
- Maximum peak discharge current @ 10 seconds (A):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0-+50
- Discharge temperature (°C):-20-+60
- Working humidity: <95% RH (non condensing)
- Number of cycles (25 °C, 0.5C, 100%DoD): >2000
- Cell combination mode: 32700-4s1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):90\*70\*107mm
- Reference weight (kg):0.7
- Certification: us38.3/muds



### 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. We installed solar and battery storage systems at two sites on Christmas Island for Parks Australia to provide clean power to ...



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## Christmas Island Geographic System

This paper describes a Geographic Information System (GIS) for Christmas Island. The system has been developed by the Bureau of Resource Sciences (BRS), an agency within the ...



## Christmas Island: Energy Country Profile

Christmas Island: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



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## Solar Power on Christmas Island

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

## Solar and battery storage for Christmas Island National ...

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## CHRISTMAS ISLAND PROJECT

On Christmas Island an environmental research project is transforming former mining sites into agricultural land. The Seed clearing shed required for the land transformation are in a remote off-grid location resulting in high operational costs for the diesel generators that power them .



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## Christmas Island taps into off-grid solar in post-mining land

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.

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