



**Q ENERGY**  
SOLUTIONS

## Adels Grove Solar/Electric Pontoon Boat

### Location

Lawn Hill, QLD, 4825

### Project Completed

August 2014

### System Size

2kW

### Full Load Capacity

8 hours continuous 50% load, 4 days Autonomy

### Emissions

Zero

### Battery Bank

4 x SunXtender PVX890T 12V connected in series

### Regulator

Steca Tarom MPPT6000 48 volt

### Solar Panels

8 x Trina TSM-250PC05A  
- 2 strings comprising of 4 Panels



Adels Grove Camping ground is located 10 kms away from the iconic and breathtaking Lawn Hill Gorge in the Boodjamulla Nation Park. The concept of a solar /electric powered pontoon boat was developed in order to allow people of all ages and fitness levels to tour the gorge that was previously only accessible via walking tracks and kayaks.

**“Fully equipped with state-of-the-art solar technology”**

Q Energy Solutions partnered with Adels Grove and National Parks to make this happen. Working within strict environmental guidelines, QES set out to devise and deliver a pontoon, which is whisper quiet, free from emissions and within a strict timeframe.

**“The tour boat is a technical and environmental marvel”**

The pontoon is fitted with a 2kW solar array that is designed to power the electric outboard motor during the day as well as charging the battery bank. By designing the system in this way it allows the pontoon to have more flexibility, as it is able to rely solely on the panels to power the motor on sunny days and leaves the battery bank fully charged for night tours or cloudy days.

The pontoon is fitted with a 2kW solar array that is designed to



Considering a commercial solar project?

Contact us on **0447 400 748**