

Doomadgee Solar Farm

Location

Doomadgee, QLD, 4830

Construction Completed

February 2013

System Size

264kW

Estimated Annual Production

434MWh

CO2 Savings

7,736 tonnes over 20 years,
that's 200,000 Trees

Solar Inverter

16 x SMA Tripower
STP17000TL-10

Solar Panels

1056 x Trina TSM-250PC05A

Array Structure

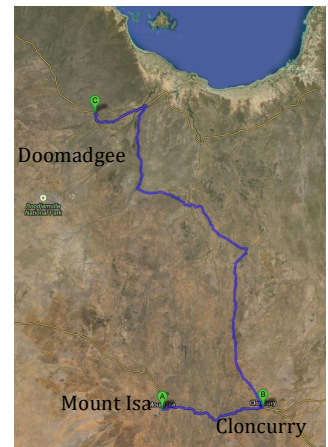
Ground Mount Earth Screws



The remote township of Doomadgee is one of 39 isolated communities not serviced by any major electricity grid, instead relied solely on its diesel plant for power. In 2012 partnering with Ergon Energy and RFI, Q Energy Solutions helped change this by developing the 264kW solar farm which was designed to save 115,000 litres of diesel each year.

Q Energy Solutions provided a turnkey solution from project management to civil works and electrical construction to the testing and commissioning of the solar farm.

Working in such a remote area presented some unique challenges for Matt and the team from Q Energy Solutions. Simply getting parts to the site involved 617kms of road travel or airfreight when the roads were cut off by rain and floodwaters. The team on site were stranded for 10 days in January by floodwaters, which came as a welcome break after installing over a thousand panels in 46-degree Celsius temperatures.



“... met its projections by generating 434MWh of clean electricity over its first year, which is enough to power 30 homes”

The Doomadgee Solar Power Farm was a significant job for Q Energy Solutions as it showcased how capable the company is in remote work. By working with their energy partners, QES were able to deliver a system that will reduce the dependency on the diesel power plant, be a reliable supply of power year round, especially in the unpredictable wet season and save over 7735 tonnes of CO2 from entering our atmosphere.

Considering a solar project? Contact us on **0447 400 748**