

CASE STUDY

GoodWe's Lightweight Panel Empower a Greener Church Against Rising Electricity

Background:

As electricity bills have been set to rise by 25% in Queensland starting July 1st, 2023, under new prices set by the Australia's energy regulator, Brisbane Rock's Church sought to lower electricity costs by installing a solar photovoltaic system.

Challenge:

The church's roof, comprising aging tiles, had undergone partial repairs due to leakage issues, making it vulnerable. Ensuring roof's integrity is a major concern when Rock's Church considered installing solar panels, especially since traditional solar panels would have required drilling.



Installation details

Client Name: Rock's Church
Location: Brisbane, Australia
System Size: 8.82kW
BIPV Models: Galaxy Ultra
Commissioning Date: July 2023

Solution:

GoodWe has provided Rock's Church with a customized energy solution including Galaxy 315W solar panel from its BIPV range, accompanied by the company's 10kW SDT inverters. Weighing only 5.6kg/m², the Galaxy 315W solar panel can not only be easily adhered to the roof surface without the need for drilling, but also its ultra-lightweight and frameless surface make it particularly suitable for patio roofs with low load-bearing capacity and poor waterproofing, all while ensuring high power generation efficiency. With the inclusion of 1.6mm ultra-thin glass, the panel offers superior resistance to hail and strong winds, providing durability and safety with all-weather protection.

Environmental effect:

Carbon Neutral Index (30 Years):



42.7MWh

Energy output



173.58t

Equivalent to Standard Coal



214.78t

Carbon Emission Reduction

About GoodWe

GoodWe is a world-leading PV inverter manufacturer and smart energy solution provider listed on Shanghai Stock Exchange (Stock Code: 688390). The company has more than 4,600 employees worldwide and has a track record of over 52 GW of installations in over 100 countries and regions. GoodWe offers an extensive range of products and solutions tailored for residential, commercial and industrial, and utility-scale PV systems, delivering reliable and high-performance solutions across its entire portfolio. In 2021, GoodWe was recognized as one of the top three hybrid inverter suppliers worldwide by Wood Mackenzie. For more information, please visit <http://goodwe.com.au>