

CASE STUDY

GoodWe Enables Australian Homeowners with Residential Solar Tile Solution to Go EcoSmart

Background:

With the recent 30% increase in electricity prices in Australia starting from July 1st, local homeowners are seeking cost-effective and sustainable solutions to counter the rising energy expenses. Mr. Richard, a homeowner based in Brisbane, Queensland, exemplifies this growing trend. Having already installed a 6.6kW solar system on his property, Mr. Richard was exploring options to expand the system and gain greater control over his electricity costs.



Installation details

Client Name: Australian Homeowners
Location: Brisbane, Australia
System Size: 2.1kW
BIPV Models: Sunshine Series
Commissioning Date: July 2023

Challenge:

The major challenge was that the limited roof area made it difficult to select suitable solar panels to meet Mr. Richard's energy needs. Also, the prominent main road-facing roof raised concerns about the property's consistent aesthetic appeal when adding more modules.

Solution:

GoodWe's BIPV product named Sunshine solar tile was identified as the perfect optimal fit for Richard's house. Distinguished from conventional solar tiles that create gaps with the roof, the Sunshine Series seamlessly integrates with the building's architecture, generating electricity while maintaining aesthetic appeal. Unlike traditional roof PV system, Sunshine solar tiles eliminate the need for additional PV bracket, mitigating the risk of water leakage and enhancing overall safety. Furthermore, featuring improved roof ventilation and heat dissipation, the product can largely improve power generation efficiency. Mr. Richard chose GoodWe's Sunshine solar tiles, complemented by their high-quality (GW8500-MS) inverters, as a one-stop residential solution to ensure the safety and efficiency of his solar system.

Environmental effect:

Carbon Neutral Index (30 Years):



10.7MWh

Energy output



43.5t

Equivalent to Standard Coal



53.82t

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>