

CASE STUDY

Alspec Chooses GoodWe's Lightweight Solar Panels for Low-Bearing Roofs, Enabling Greener and Cost-effective Manufacturing

Background:

Alspec is a prominent aluminum processing company based in New South Wales. Alspec's business operations heavily rely on electricity, leading to a rapid surge in production costs. In response to the recent 30% hike in electricity costs implemented by the New South Wales government, Alspec sought solar photovoltaic (PV) technology emerging as an ideal solution.

Client Name: Alspec
Location: Sydney, NSW, Australia
System Size: 100kW
BIPV Models: Galaxy Ultra
Commissioning Date: July 2023



Challenge:

To address the challenge of water leakage resulting from a deteriorating roof, Alspec had recently undergone a roof replacement. However, the new roof's low-bearing capacity made it unable to withstand traditional rooftop solar panels due to both their weight and the drilling installation process. This posed a potential leakage risk, which could result in high repair costs and production downtime. In light of Alspec's concerns, GoodWe's Galaxy Series solar panels emerged as the perfect solution.

Solution:

GoodWe has announced a new collaboration with Umax Energy, its authorized distributor, to offer the GoodWe BIPV's smart solution to Alspec. Recommended by Umax Power, Alspec chose GoodWe's Galaxy Series 315W to achieve a seamless and leak-free installation process, thereby eliminating the risk of water leakage and ensuring uninterrupted operations. Moreover, these panels boast a lightweight design, significantly alleviating Alspec's concerns about potential roof damage. Coupled with GoodWe efficient HT string inverters, the Galaxy Series can maximize energy self-consumption and optimize energy generation. With a total installed capacity of 100 kW, the project is expected to meet 80% of Alspec's production and operational electricity needs.

Environmental effect:

Carbon Neutral Index (30 Years):



148.8MWh

Annual average output



2,319t

Carbon emission reduction



20,894

Equivalent trees

“ We're delighted to provide this smart BIPV solution for Alspec. GoodWe has been dedicated to improving our commercial and industrial solution portfolio, ensuring that we can offer customized solutions that precisely meet our customers' unique energy needs. We expect to partner with more business owners to help reduce energy expenses while achieving substantial energy savings and emission reductions.

-Apollo Chai, Head of GoodWe Australian BIPV Marketing

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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. For more information, please visit www.goodwe.com.au