

CASE STUDY

GoodWe powers energy efficiency at The Active Grounds leisure complex

Summary

The Active Grounds, a multi-tenancy leisure complex located in New South Wales, has successfully reduced energy bills and enhanced sustainability across its diverse businesses through the installation of GoodWe's new metering solutions and advanced HT Series inverters with updated features including paralleling capabilities. This recent upgrade underscores GoodWe's commitment to providing cutting-edge technology for commercial solar applications.

Challenge

The owners of the multi-tenancy complex decided to install solar panels primarily to reduce their energy bills. In this specific case, addressing the challenge of high electricity costs for the tenants. By implementing solar energy, the system aims to provide a more sustainable and cost-effective solution.

Solution

This project featured the installation and commissioning of four 110kW GoodWe HT Series inverters, supporting a 600kWp solar system. The commissioning process was completed in under five minutes, utilizing the Ezlink3000 dongle, which supports parallel connections for up to 10 inverters, alongside the GM330 smart meter. The entire setup was efficiently managed via the SolarGo app on a smartphone, demonstrating seamless integration and ease of use.



Installation details

Location: Pentrich, New South Wales, Australia

System Owner: Sam Solar

System Capacity: 600kWp

Installation time: May, 2024

Inverters: 4 x GW110kW – HT

Accessories: Ezlink3000 & GM330

Key Features of the Solution

1. **Simplified Installation & Smart Commissioning:** The GoodWe HT Series inverters are designed for easy installation and setup, featuring a streamlined wiring process and smart technology to reduce complexity and time.
2. **Superior Performance:** With 12 Maximum Power Point Trackers (MPPTs) and a high IP rating, the GoodWe HT Series delivers robust performance across diverse environmental conditions. These features maximize energy yield and ensure long-term system reliability.
3. **Scalability for Commercial Projects:** The system's design supports parallel configuration of up to 80 inverters using the GoodWe EZlogger accessory, offering exceptional scalability for large commercial installations.
4. **Advanced Monitoring and Control:** The GM330 smart meter enhances energy management by providing detailed, real-time monitoring.

This solution not only simplifies installation and commissioning but also provides advanced features and scalability, making it ideal for commercial solar projects.

On-site Feedback

Gopinath Mani, Commercial Business Development Manager at GoodWe, expressed his enthusiasm for the project:

“ We are excited to relaunch the HT Series with enhanced features that significantly improve the efficiency and scalability of our commercial solutions. Our team has successfully commissioned the new systems in less than five minutes, showcasing the ease of smart setup and the reliability of our advanced technology. Additionally, we have a dedicated local team to support our C&I customers, ensuring they receive the best service and support possible. The installation at The Active Grounds exemplifies how GoodWe’s HT Series inverters are ideal for commercial solutions, offering a perfect blend of efficiency, reliability, and advanced technology.

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Environmental Effect

Annual generation: 637,039 kWh

PV generation saves 445,000 kg of carbon dioxide (CO₂), equivalent to



106

gasoline-powered
passenger vehicles
driven for one year



58

homes energy
use for one year



2.4

railcars' worth of
coal burned



1,030

barrels of oil
consumed



29,379,351

smartphones
charged

For more information about this project, please watch the video: <https://youtu.be/9NJ8wdig2GY>

For more information on HT series, please visit our website page: <https://www.goodwe.com.au/ht-series-three-phase-commercial-and-industrial-solar-inverter>

About GoodWe

GoodWe is a world-leading PV inverter and energy storage systems manufacturer listed on the Shanghai Stock Exchange (Stock Code: 688390). The company has more than 5000 employees located in 15 different countries and a team of over 1000 engineers working at its R&D centres to continuously optimise and advance energy storage technology. GoodWe storage inverters were ranked in the top 3 globally by Wood Mackenzie in 2022, the company was ranked 2nd in the top Australian inverter suppliers by Sunwiz and the most financially stable inverter company by BloombergNEF. Having achieved over seven consecutive TÜV Rheinland "All Quality Matters" awards and consistently being ranked at the top in terms of overall product quality, GoodWe's comprehensive portfolio of products and solutions for residential, commercial, and utility-scale PV systems is guaranteed to deliver high performance and reliable quality across the board. For more information, please visit www.goodwe.com.au