

CASE STUDY

GoodWe inverter empower the Mercedes Benz's showroom

Background:

Hap Seng Star is the main distributor of Mercedes-Benz's vehicles in Malaysia. In order to meet their sustainable development goals and save operation costs, PV system will be their best choice because of the stability, easy operation and maintenance. Also the environmental protection and low carbon emissions awareness of the leading enterprises are getting stronger under the rapid developing of the society and economics.

Challenges:

The challenges of this project mainly focus on the safety and special geographical location, because for this project, both sites are located on a flat rooftop which is currently used as car parking sites for their staff. The PV panels will be mounted above metal frames which will act as the carpark cover, so that the rooftops require higher reliability. The appearance and quality of the solar system also will be considered in order to meet the branding value position of Mercedes Benz.



Client Name: Hap Seng Star Sdn Bhd

Location: Balakong & Shah Alam, Malaysia

System Size: 1.7MWac

Inverter Models: HT series 120kW & SDT G2 25kW

Commissioning Date:

Showroom: Mar – 2022

HSS Body & Paint Center: under construction

EPC: AM solar

Solutions:

GoodWe provides total 7 pcs of GW HT 120kW plus 1pc GW SDT-G2 25kW for the project, which ultimately leads to stable electricity generation while maintaining a cost-effective operation. It includes PLC communication and internal humidity detection. The HT series seamlessly incorporates different sets of technical strengths designed to achieve higher savings in the installation, enhance productivity and diversify available monitoring options, taking safety to the maximum possible level in accordance with the strictest industry standards. HSS can not only control the settings remotely using the SOLARGO application, but also being able to monitor the internal temperature and humidity levels to make sure the inverters are in their best conditions.



Environmental effect:

PV generation spares 73541 kg of Carbon Dioxide, equivalent to:



1,216

Preserve and
Protect tree
seedlings grown
for 10 years



15.8

Cars
driven for
1 year



81,366

Pounds of coal
burned



170

Barrels of oil
consumed



8,945,726

Smartphone
charges



14,790

Monthly save
electricity bill
dollars

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 3,000 employees located in 20 different countries and a team of over 600 engineers working at its R&D centers to continuously optimize and advance energy storage technology. GoodWe storage inverters were ranked No. 1 globally by Wood Mackenzie in 2020, with over 15% market share, and the company was ranked one of the world's Top 10 inverter suppliers by IHS Markit. Having achieved over six 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 goodwe.com.