



FIGHTING BACK THE LOAD-SHEDDING IN SOUTH AFRICA

GoodWe solution powers Plett shopping centre

Background:

In 2020, the roof of the Market Square Shopping Centre in Plettenberg Bay was covered by an impressive array of solar panels. In order to cope with the load-shedding policies in South Africa, our partner, Rubicon Energy, supply a solar energy solution for the Emira Property Fund's strip mall.

Challenge:

The owner had already determined that the shopping centre required solar panels and inverters capable of generating 600kW of power. Rubicon Energy's Ryan Janse van Rensburg said that based on BrightBlack's needs, they chose the most suitable and cost-effective solar panels and inverters from Rubicon's offering.

Solution:

10 GoodWe 60kW inverters were chosen for their outstanding features. Each inverter contains four MPPTs (maximum power point trackers) - allowing the inverters to track more power points within the installation than some other inverters, improving the yield of the solar panels. This made GoodWe the most cost-effective option, which provides a large amount power in a single unit.

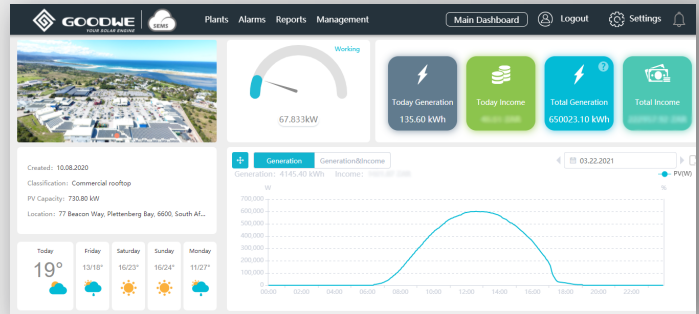


Location: Plettenberg Bay, South Africa
System Owner: Emira Property Fund
System Capacity: 600 kW
Solar Panels: 435W LONGi x 1680 units
Inverters: GoodWe MT- 60K x 10 units

System performance:

GoodWe's commercial inverters are ideal for large-scale roof projects such as Market Square. The technology aims to achieve maximum 99% efficiency to ensure long-term returns and less heat generated by the inverter and profitability for the system owner.

Warranty extension: All the inverters and their components are covered by a warranty extension of an additional five years – covering the inverters for 10 full years.



Environmental effect:

The PV generation in this case could reduce 1,063,024 kg of Carbon Dioxide Equivalent, which equivalent to



5269,007 square meters of forest in a year



231 cars driven for 1 year



533 tonnes of coal burned



452,796 liters of gasoline consumed



129,309,018 times of smart-phone charged



193 homes' electricity use for a year

“ I value the longstanding relationship with Rubicon and was happy with the service received. The owner, Emira Property Fund, was also pleased with the outcome of the project. They're very satisfied as the system is performing well and was signed off by the council. Everything was done as it should be. **”**

Niel Coetzer, BrightBlack

“ We find that these bigger, commercial Goodwe units perform extremely well compared to other higher-cost inverter technologies. **”**

Ryan Janse van Rensburg, Rubicon Energy

About GoodWe

GoodWe is a world-leading PV inverter and energy storage solutions manufacturer and is listed as a public limited company on the Shanghai Stock Exchange (Stock Code: 688390).

With an accumulative delivery of more than two million inverters and installation of 23GW in more than 100 countries and regions, GoodWe is regarded as the Global No.1 storage inverter by Wood Mackenzie in 2020.

GoodWe has also ranked as one of the Top 10 inverter suppliers by IHS Markit and has achieved six consecutive TÜV Rheinland "All Quality Matters" Awards. The great reputation of the MT-Series is spreading across continents and the pace of our global deployments is expanding rapidly.