

# Shopping mall uses 15MWh off-grid solar container from East Africa

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**Why do South Africa's shopping malls use solar panels?**

In South Africa, where much of the power produced is from fossil fuels, installing solar panels and going green promoted an eco-friendly business. Solar panels guarantee free electricity for up to 25 years if well maintained. By transitioning to solar energy, shopping malls play a pivotal role in reducing the city's carbon footprint.

**Do shopping malls need solar panels?**

Solar panels reduce a shopping mall's reliance on traditional grid energy, leading to lower electricity bills and long-term financial benefits. Additionally, shopping malls can take advantage of tax breaks, which can significantly offset the initial investment cost of the solar panel installation.

**Can a rooftop solar system carry a mall's full load?**

"The rooftop solar system can carry the mall's full load during the day, and the BESS is sized to ensure autonomy during load shedding and even unexpected grid failures using smart load management and diesel generation," said Charl du Plessis from EP Power.

**Do shopping centres in South Africa have backup/alternative energy supplies?**

Several shopping centres in South Africa have started installing massive backup/alternative energy supplies.

Jul 24, 2024&ensp;&#0183;&ensp;EP's proprietary Battery Energy Storage System (BESS) control philosophy and engineering design integrate three power generation sources, creating a robust off-grid ...

Jul 16, 2024&ensp;&#0183;&ensp;A major regional mall in South Africa has given Eskom the boot and moved its power supply 100% off-grid.

May 29, 2025&ensp;&#0183;&ensp;In Kenya, Sustain Solar and ISM Containers installed mobile solar on

