

# **Senegal Solar Air Conditioning Shade**



## Overview

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Do PV mini-grids provide electricity to 300 villages in Senegal - Sunny?

PV mini-grids provide electricity to 300 villages in Senegal - Sunny. SMA Corporate Blog by Erik Klügling (guest post), 17. Feb. 2023, 4 Comments  
Senegal wants to give its population permanent access to electricity by 2025.

What is Senegal's aser300 project?

The government's ASER300 project is bringing electricity to 300 villages all around the country with mini-grids, which include PV modules, inverters, batteries, and cooling systems. Drought, arid and saline soil, lack of rainfall, forest dieback – Senegal is feeling the full impact of climate change.

Will Senegal have a power grid by 2025?

One of its aims is to give everyone in Senegal permanent access to the utility grid by 2025. The main focus is on expansion in rural areas, such as with the ASER300 project, which is bringing electricity to 300 villages using mini-grids. Best of all, the technology for the energy supply comes inside a standard shipping container.

What is a mini-grid in Senegal?

And there is plenty of that in Senegal. Mini-grids for ASER300: Electricity supply from a container A mini-grid (also known as an off-grid system or stand-alone grid) is a decentralized electricity supply. It provides a reliable supply of solar power for remote regions without access to the utility grid.

What is the weather like in Senegal?

From April to November, severe weather is a common occurrence in Senegal. The heavy rainfall also affects the transport network, blocking roads or “simply washing them away. Trucks can then get stuck for days, sometimes even weeks,” said Sawdiatou Mbaye.

Why does Senegal have a rainy season?

Lutz Ekhoﬀ has experienced this first-hand: “Off the national highways, most roads are dirt tracks made of sand and laterite, which makes transport and construction logistics more challenging.” Then comes the rainy season. From April to November, severe weather is a common occurrence in Senegal.

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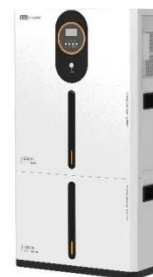


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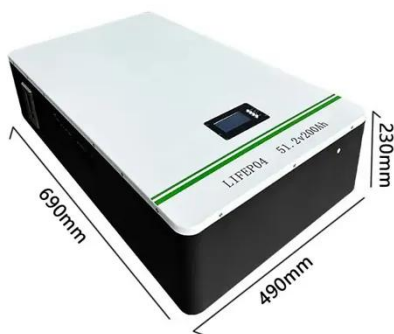


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