

## SolarTech Power Solutions

# Venezuelan energy storage system



## Overview

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What is the electricity supply in Venezuela?

Table 1. Electricity supply in Venezuela (MW). Source: Authors' adaptation from , . Considering that in 2016 the Venezuelan total electricity demand was around 18,300 MW there is a significant deficit of 1800 MW , .

Does Venezuela need an energy transition?

It is unmistakable that Venezuela needs an energy transition to reach the goals of sustainability and poverty reduction. Based on the current national reality, the recommendations to improve the Venezuelan energy sector will be presented from two different perspectives.

How can Venezuela decarbonise the power system?

New techniques and technologies will be needed to decarbonise these areas. The Venezuela Plan for the National Electric System aims to integrate renewables in the power system by including it in medium and long-term strategies. It aims to develop the use of renewables within isolated rural communities including solar, small hyd.

How much solar power does Venezuela use?

Regarding this underutilization, Bautista calculated that the Venezuela solar rate of use for 2012 only reached 0.000000127% of the national capacity. In reference to wind, this author considers the use of this potential as inexistent for the same year .

Does Venezuela have a solar photovoltaic project?

To describe the current renewable energy overview, the authors confirmed the existence of some private enterprises to develop solar photovoltaic projects in Venezuela, both for industries as well as for residential purposes. Regrettably, there are no official records about them .

What are the main issues facing Venezuela?

The energy imbalance in Venezuela and the effects on the population. Lack of energy policy programs to introduce renewable energies. Recommendations to implement renewable energy projects. Need for an energy transition towards sustainability.

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