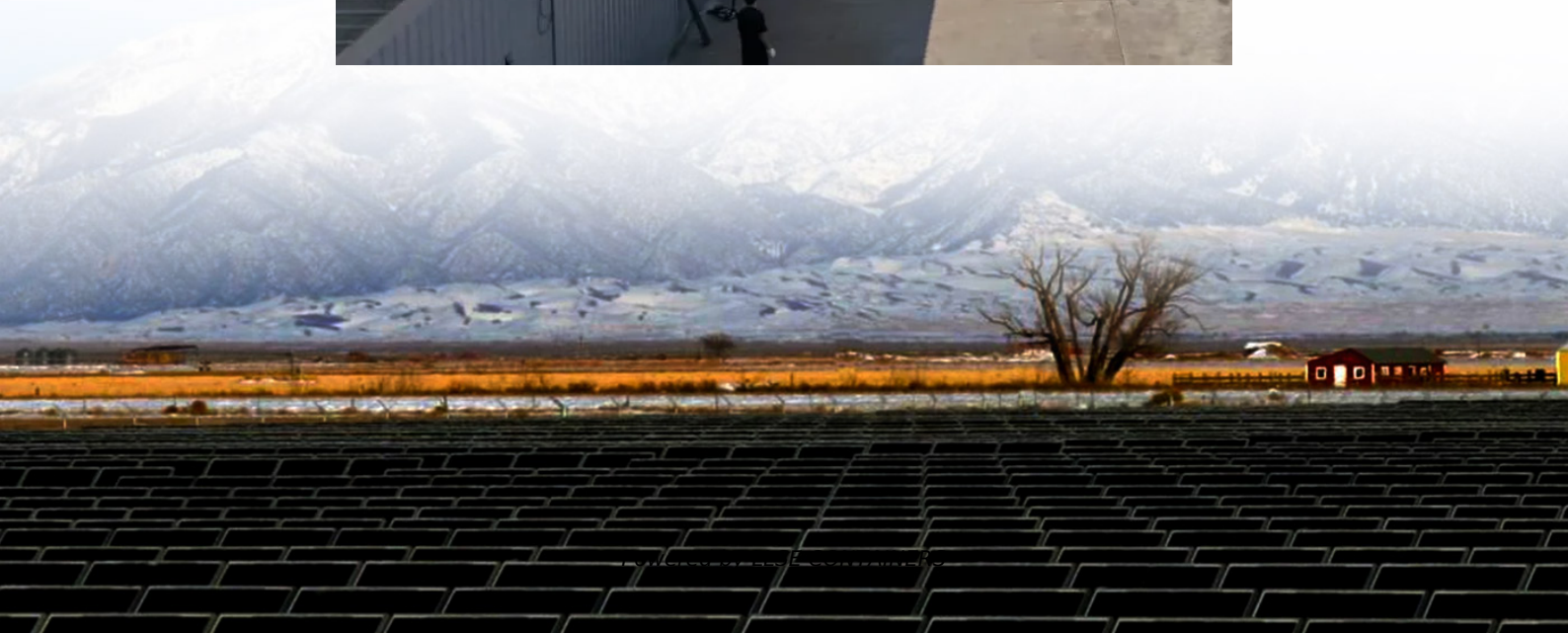


Energy storage at Venezuelan power station





Overview

Modern society is aware of the importance of energy, as a fundamental resource for evolution, quality of life and sustainability. It thus dedicates important efforts to take advantage of existing energy sources. Coun.

What is the largest hydroelectric power station in Venezuela?

Venezuela's largest hydroelectric power station, Guri (Simon Bolivar), is among the ten largest hydroelectric power stations in the world, with a capacity of 8850 MW . In Figure 7, you can see the main facilities of the Venezuelan infrastructure for the production of energy from renewable sources. Figure 7.

What is the hydro power potential of Venezuela?

In theory, the hydro power potential of the country is 731 GWh/year, which in comparison with other countries seems little, but for Venezuela it is sufficient, given the size of the country . Moreover, in the north-east of the country there is a certain potential for tidal energy, which can reach between 10-15 kW/m .

What is the electricity supply in Venezuela?

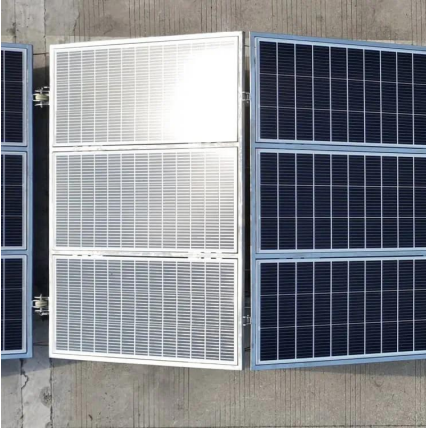
Table 1. Electricity supply in Venezuela (MW). Source: Authors' adaptation from , . Considering that in 2016 the Venezuelan total electricity demand was around 18,300 MW there is a significant deficit of 1800 MW , .

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.



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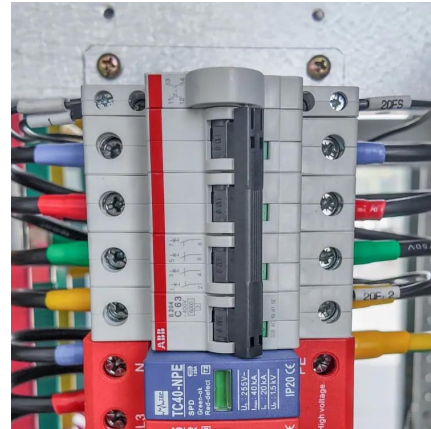
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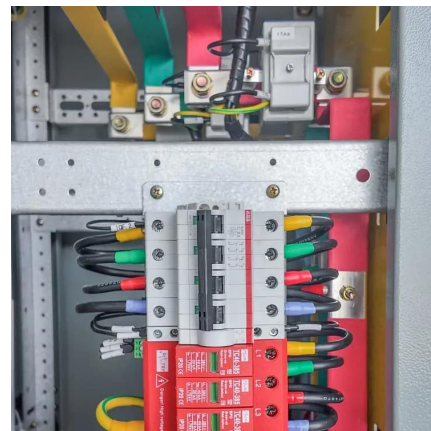


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