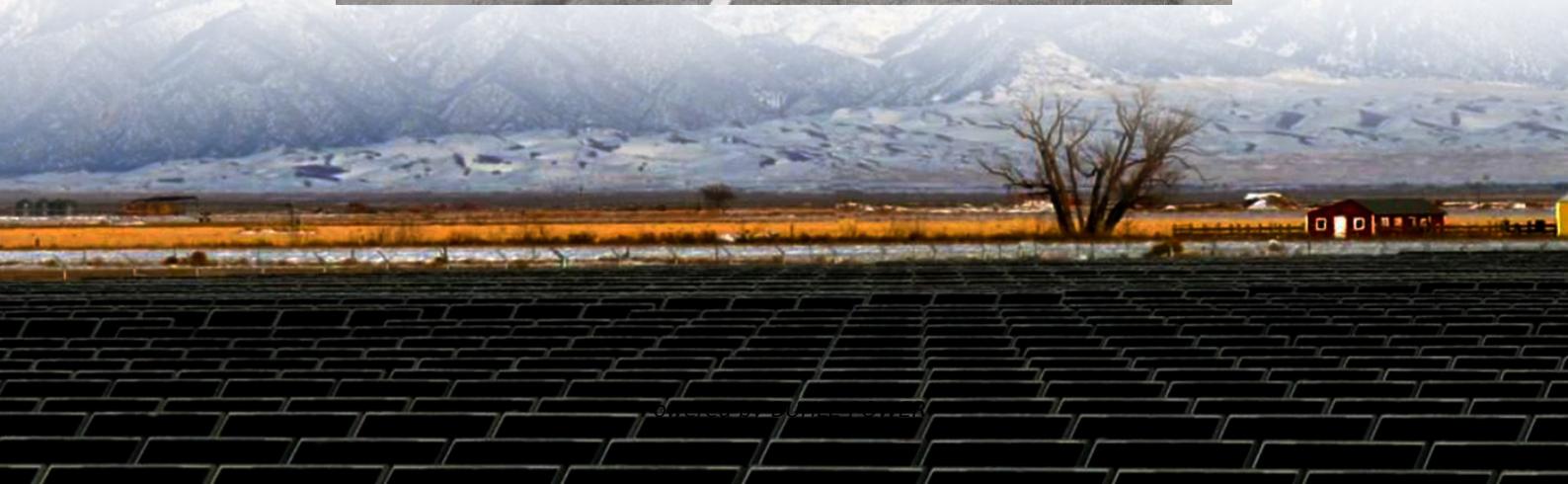
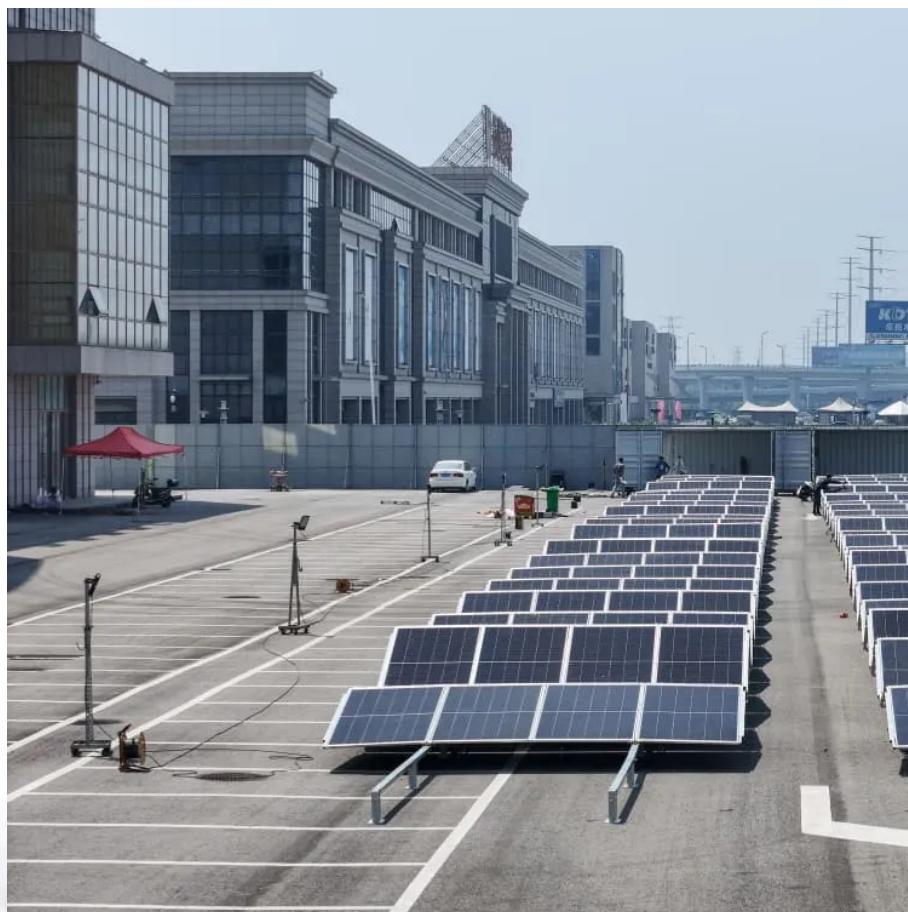




BUHLE POWER

Prices of solar container energy storage systems for industrial and commercial use in Brazil





Overview

This paper proposes a methodology for stochastic economic analysis/optimization of industrial battery energy storage systems in Brazil or other regions with a similar tariff structure. The pr.

Can industrial battery energy storage systems be economically feasible in Brazil?

A literature review demonstrated that this paper is a pioneer in demonstrating such a high level of economic feasibility for industrial battery energy storage systems in Brazil. One year of primary data from the industry (historical load demand series) is made available through a GitHub repository so that results can be replicated.

1. Introduction.

Can a photovoltaic distributed generation system be used in Brazil?

Furthermore, the method is applied to an industry located south of MG — Brazil, where a photovoltaic distributed generation system is already available.

What are the different types of Industrial Electricity pricing in Brazil?

3.1. Systems sized for one-day operation

- 3.1.1. Project's gross revenue In Brazil, there are two main categories of industrial electricity pricing: green tariff and blue tariff , . The blue tariff is analyzed in this paper since it allows for different contracted demands in the off-peak and peak periods.

Does PV DG dominate the market share in Brazil?

It is also noteworthy that PV DG dominates the market share in Brazil with more than 99% of all connections , thereby ensuring high applicability for the analysis. In any case, the analysis of other DG sources is recommended in future work.



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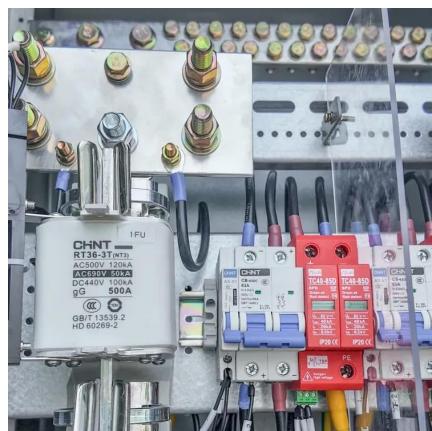
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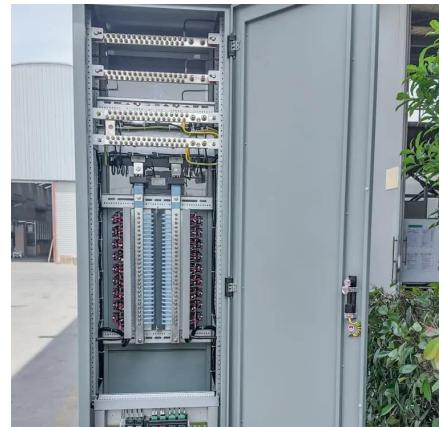
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