Grid connected pv Syria

The main objective of this paper is to analyze the techno-economic feasibility of installing a 300 kW grid-connected solar photovoltaic (PV) plant in Syria. Umm Al-Zaytun village in As-Suwayda province was chosen as a location of the plant, because it is characterized by the high annual solar irradiance on the horizontal surface of about 1900 ...

Techno-Economic Evaluation of a Grid-Connected Solar PV Plant in Syria. https://doi /10.3103/s0003701x1903006x Journal: Applied Solar Energy, 2019, No 3, p. 174 ...

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Techno-Economic Evaluation of a Grid-Connected Solar PV Plant in Syria. https://doi /10.3103/s0003701x1903006x Journal: Applied Solar Energy, 2019, No 3, p. 174-188. Publisher: Allerton Press Authors: A. Ramadan, V. Elistratov List of references

Ramadan and Elistratov [29] analyzed the technology-economic feasibility of installing a 300 kW grid-connected solar photovoltaic (PV) plant in Syria. Their results showed that the annual...

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grid-connected solar photovoltaic plant with a capacity of 300 kW was made in Umm Al-Zaytun village in As-Suwayda province using the PVsyst program. The results showed that the plant, consisting of 720 solar

panels, provides energy of 493 MWh per year with a capacity factor of 18.7%, taking into account all losses estimated at 22 %.

TL;DR: In this paper, the authors analyzed the feasibility of installing a 300kW grid-connected solar photovoltaic (PV) plant in Syria, where Umm Al-Zaytun village in As-Suwayda province was chosen as a location of the plant, because it is characterized by high annual solar irradiance on the horizontal surface of about 1900 kW h/m2.

This study presents a strategy comparison of a grid-connected photovoltaic battery (PVB) system. Five strategies are proposed, and some technical and economic parametric analyses are studied, and a sensitivity analysis on the key factor, battery capacity, is conducted.

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