

عنوان مقاله:

Modeling And Simulation Of ۶۰kw On-Grid Photovoltaic Power Plant In Chabahar

محل انتشار:

دوازدهمین کنفرانس بین المللی راهکارهای نوین در مهندسی ، علوم اطلاعات و فناوری در قرن پیش رو (سال: 1401)

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خلاصه مقاله:

Today, replacing fossil fuels with renewable energy such as solar, wind, sea waves, and biomass has increased dramatically. Iran, as a developing country, is located on the world's sun belt with various fossil and renewable resources. The Persian Gulf and Makran coasts are suitable sites for thermal energy. This energy is transformed into electrical energy using photovoltaic (PV) system. The solar power plant is numerous panels are installed in an optimal configuration and harvest light energy from the sun and convert it into electrical energy which feeds into the grid. In this study, a photovoltaic power plant with a capacity of ۶۰kW was designed. Finally, the results are analyzed and simulated using PVsyst software.

کلمات کلیدی:

Renewable Energy, Solar, Photovoltaic, Power Plant

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