Iran Communication Base Station Photovoltaic Power Generation Project

What is Iran's potential for solar-based electricity generation?

Iran's potentials for solar-based electricity generation At present,Iran is producing only 0.46% of its energy from renewable energy sources. In 2016,the country's renewable-based electricity generation sector was mainly comprised of 53.88 MW wind,13.56 MW biomass,0.51 MWsolar and 0.44 MW hydropower .

Can solar PV systems be used in residential sectors of Iran?

Zandi et al. (2017) proposed four scenarios to use solar PV systems in residential sectors of Iran. All the scenarios were studied using RETScreen software. In addition, the economic aspects and environmental impacts of the scenarios were examined.

Can PV technology be deployed in Iran?

Although there is a high tendencyof the government and policy makers for deployment of PV technology in Iran,there are still some impediments to turn potential into reality in this sector due to insufficient industry growth,financing problems,deficient of governing rules,and lack of a sustainable development roadmap.

Why are solar PV modules reducing performance in Iran?

The annual average air temperatures of all the provinces of Iran is higher than 25 °C. Therefore,the PV modules performance will dramatically reduce due to high ambient temperatures.

What is Iran's energy plan?

During this plan, diversify the country's energy resources concerning environmental issues and increasing the renewable energy share were also considered , . Tavanir estimated that Iran's capacity for renewable energy can provide 10% of the country's energy demand for five years (2011-2016) .

What are the barriers to PV technology deployment in Iran?

Main barriers for PV technology deployment in Iran are technical gaps, specific weather conditions requirements for installing PV panels, defect of governing rules, and lack of a sustainable roadmap. Iran holds 10% of the global oil reserves and 15% of the natural gas.

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