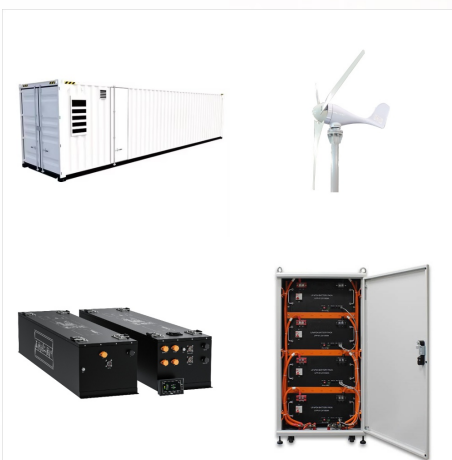




Qatar also has the potential to avoid producing emissions locally through the use of renewable energy. Solar potential in Qatar is high, with sunlight running for more than 9 h per day. However, Qatar did not have any large-scale renewable energy production until 2021 when Siraj???a Joint Venture between QatarEnergy, QEWC, and TotalEnergies



The Energy Center at Qatar Environment and Energy Research Institute (QEERI), part of Hamad Bin Khalifa University (HBKU), aims to support the competitiveness and sustainability of Qatar's energy sector (generation, distribution, and consumption), providing countrywide solutions to support governmental and industrial sectors to achieve environmental sustainability in Qatar.



Qatar Renewable Energy Growth of Solar Power Portfolio. QatarEnergy, the state-owned oil and gas company, has announced a plan to construct a 2-gigawatt solar power plant in Dukhan area, located approximately 80 kilometers west of Doha. This new facility is an addition to the existing Al-Kharsaah solar power plant. Both solar plants are



Qatar General Electricity and Water Corporation "Kahramaa" announced the launch of "Qatar National Renewable Energy Strategy" (QNRES), having coordinated with 22 key energy actors in Qatar, a step that reflects the efforts of Kahramaa to enhance its work in the field of renewable energy uses and to develop policies and strategies, believing in a more sustainable ???



The adverse environmental and unsustainable effects of the extraction and use of these non-renewable energy resources are quite known. In addition, Qatar has been importing nearly all its food from regional and international producers. Thus, there is an emerging need for local production and processing of food commodities and the management of



The Qatar National Renewable Energy Strategy aims to develop a sustainable and cost-effective energy system, leveraging the country's abundant natural gas reserves and renewable energy potential. Al Baker highlighted that the strategy aims to reach 4 gigawatts from centralized renewable energy projects and 200 megawatts from distributed



Qatar's Kahramaa has announced the launch of the Qatar National Renewable Energy Strategy (QNRES) to bolster the sustainability goals of the government's Qatar National Vision 2030 manifesto. In collaboration with 22 energy actors in Qatar, the national water and electrical supply regulatory body will focus on the wider usage of solar power



The Al Kharsaah solar power plant in Qatar has completed construction, been started up and connected to the country's national grid, the company behind the project has announced.. Developed by TotalEnergies, in partnership with QatarEnergy and Marubeni, the plant, which is located 80-kilometres west of the capital, Doha, is the first large-scale ???



Under the aegis of Qatar National Vision 2030 (QNV 2030), the government has pledged to generate 2% of energy needs via renewable sources by 2020, with innovation and proposed projects extending all the way to the expansive Qatar Rail Development Programme (QDRP), a multibillion-dollar effort comprising construction of a light rail transit (LRT) system



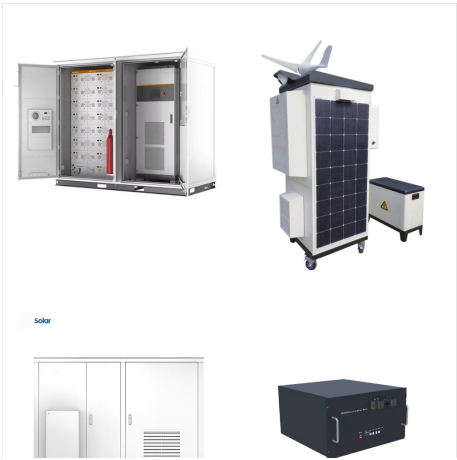
Qatar's National Renewable Energy Strategy aims to enhance the utilization of renewable energy sources to provide a more sustainable future for upcoming generations. Due to its excellent solar energy resources and among of the highest levels of global horizontal radiation in the world, Qatar also has a great deal of potential to enhance its



The strategy aims to increase and diversify the utilisation of renewable energy sources in Qatar, integrating them into the energy mix due to the high-quality solar energy resources available. Qatar's global horizontal radiation level is among the highest in the world, at more than 2,000 kWh per square metre per year.



Qatar anticipates that natural gas will remain a key part of the global energy mix for decades to come and that it will play a central role in the global transition to a low-carbon energy system. Specifically, the country views gas as a transitional fuel, particularly for industrialising economies in Asia as they switch from coal to natural gas



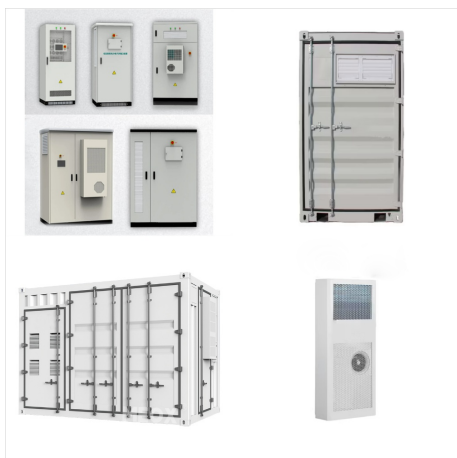
Energy diversification in Qatar will be achieved by investments in photovoltaic (PV) solar energy. renewable and alternative energy solutions, battery storage, PV cells. With the growth of population and further expansion of industries, the government of Qatar develop a strategy for a country to grow more sustainable and efficient way of



? Qatar aims to increase the share of renewable energy to 4 GW by 2030 as part of the country's renewable energy strategy launched at the end of April. The st. This initiative aims to reduce consumers" bills and promote investments in solar energy projects. In 2022, Qatar launched the first utility-scale solar plant in the country -- the 800



Qatar changed the name of its state-owned oil and gas firm to Qatar Energy from Qatar Petroleum to reflect what it said was a broader strategy but said it had no plans to sell assets to raise



Renewable Energy: UPDATE 1 - Qatar Petroleum, QEWC to form USD-500m solar JV 9:55 / 24
December 2015 Solar Power: to-the-point: Qatar Petroleum, QEWC to form solar JV 10:19 / 14
August 2015 Machinery/Engineering: Centrotherm Photovoltaics turns EUR-6.7m H1 ???



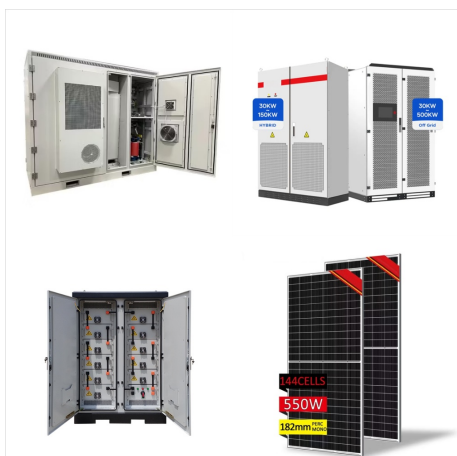
Qatar Energy's Sustainability Strategy is governed by three main references, Qatar National Vision 2030, United Nation's Sustainable Development Goals, and the Paris Agreement. Add 2 to 4 GW of renewable by 2030; Prince Decree 2/2017 transferred the responsibilities of the national oil and gas committee in Qatar to Qatar Energy,



This would support competitive pricing of renewable energy in Qatar, as compared to the current natural gas infrastructure. Furthermore, to support emission reduction, Qatar can impose carbon taxes on emissions from its energy production, manufacturing, and transportation sectors. This will not only encourage the use of renewable energy but



Hitachi Energy announced today it has been awarded a major order that will help Qatar's national grid increase the integration of renewable energy from the country's first large-scale solar power generation project ??? the 800MW Al Kharsaah photovoltaic (PV) power plant.



Partners: TotalEnergies and Marubeni (40%), Qatar Energy Renewable Solutions (60%) Main activity: Solar power generation A new chapter for energy in Qatar. The start-up of the Al Kharsaah solar power plant represents a milestone in the country's energy history, since it is set to produce 10% of its peak electricity demand at full capacity.



One of these goals has been to develop renewable energy sources in Qatar, with a focus on solar energy. Solar energy played an important role in the FIFA World Cup Qatar 2022???, with the Qatari government inaugurating the first large scale solar power plant ahead of the tournament. Al-Kharsaah Solar Power Plant has 800 MW capacity and covers



The benefit of Qatar increasing its renewable energy capacity is that it allows it to offer a less carbon-intensive LNG product and the ability to venture into the "blue energy" sector. As highlighted above, a central part of the energy transition concerns the move into the hydrogen economy. Increased use of hydrogen as a fuel source has



Renewable energy growth. Qatar's renewable energy drive is currently being headed by state-run electricity and water company Kahramaa. The authority is currently piloting a \$34 million 5MW-10MW project. Meanwhile, earlier this month, Qatar Solar Energy unveiled what it described as a "first-of-its-kind" solar panel factory in the country.



However, all 11 interviewees thought that renewable energy/solar in Qatar was possible, with 10 of the 11 interviewees stating that solar energy was possible anywhere in Qatar. One interviewee disagreed (B1) and suggested that the location was a deciding factor adding " Generally speaking, for solar power, the further you are from the sea the



Qatar implements policies in 2/6 power policy categories tracked by Climatescope, including Renewable energy target, Renewable energy auction, Feed-in Tariff, Net Metering, Import tax incentives, VAT incentives. Power policies. Investment in clean energy in Qatar was around \$630 million in 2022, an increase of 26% from 2020 (\$500 million)