

# 20MW Kazakh PV Photovoltaic Power Plant + GOV PPA





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Kazakhstan has been making significant strides in the field of renewable energy, particularly with the development of solar power plants in recent years. The country's vast open spaces and abundant sunlight make it an ideal location for harnessing solar energy.

One of the most notable solar power plant projects in Kazakhstan is the Burnoye Solar Power Plant, located in the Zhambyl region. With a capacity of 100 MW, it is one of the largest solar power plants in Central Asia. The plant covers an area of 164 hectares and consists of more than 380,000 solar panels. It is estimated that the plant will generate around 153 GWh of electricity annually, enough to power around 60,000 households.

Another significant solar power plant project in Kazakhstan is the Sakyt Solar Power Plant, located in the southern region of the country. With a capacity of 50 MW, the plant is expected to generate around 96 GWh of electricity annually. The project was developed by international renewable energy company Eni, and is part of Kazakhstan's efforts to increase its share of renewable energy in the country's energy mix.

Kazakhstan has set ambitious targets for renewable energy development, with a goal of generating 10% of its electricity from renewable sources by 2030. The country's vast potential for solar energy makes it a key player in the global transition to cleaner, more sustainable energy sources.

One of the main challenges facing solar power plant projects in Kazakhstan is the country's harsh climate, with extreme temperatures and high winds posing potential risks to the operation of solar panels. However, advancements in solar panel technology and the implementation of smart grid systems have helped to mitigate these challenges.

Overall, solar power plant projects in Kazakhstan have the potential to play a crucial role in the country's energy transition, reducing its reliance on fossil fuels and contributing to a more sustainable future. With continued investment and support from both the government and the private sector, Kazakhstan is well-positioned to become a leader in renewable energy in Central Asia.

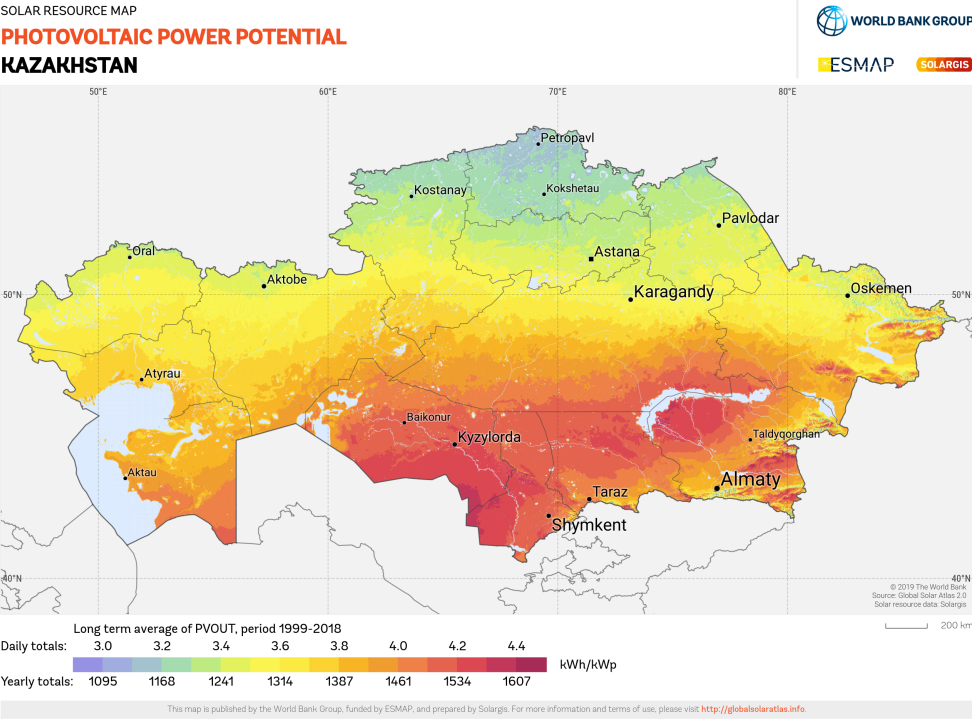
### Keypoints

Project Type: PV on Free Land  
Status: Ready to Build  
Location: Zhetisu, Kazakhstan  
Total Area: 100 Ha  
Land Rights: Leasing (Included in the Price)  
Installed Power Capacity: 20.00MW  
Specific energy (approximate): 1390.9 kWh/kWp  
Grid Connection: 3 km from KEGOC Substation  
**Approx EPC Costs:** 450,000 EUR / MW  
PPA: GOV PPA for 14,50 KZT (0,0022\$ PER kW)

**BUSINESS TYPE**  
Renewable Energy

**COUNTRY**  
Kazakhstan

**BUSINESS ID**  
L#20240632





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