

# Turkmenistan solar power items

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The Turkish company Chalyk Energy (‘‘Chalyk Enerji Sanayi ve Ticaret A.?’’) has won the tender to build the first solar-wind power plant of Turkmenistan with capacity of 10MW. It will be built in the Serdar district of Balkan province, serving the residential and other facilities along the shoreline of the Altyn Asyr lake, the second largest ...

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The first solar-wind power plant in Turkmenistan will power the houses in the settlements that are planned to be created around the artificial lake Altyn Asyr-a grandiose eco-project of regional importance.

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Turkmenistan has tremendous potential for harnessing solar energy. With more than 300 sunny days annually and with average annual intensity of solar radiation ranging between 700-800 watts per square meter (W/m<sup>2</sup>), the total technical potential of solar energy amounts to 655 GW (Seitgeldiev 2018; UNDP 2014).

According to the state news agency of Turkmenistan, the power plant will consist of a 7 MW solar PV field and a 3 MW wind power plant. The capacity of the solar PV plant is decent for a first solar PV project in the country, which translates to roughly 7 hectares of land for installations.

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Balkan velayat. The Turkish energy company &#199;al?k Enerji will build hybrid solar-wind power plant with a capacity of 10 megawatts in Turkmenistan.

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