

Solar panels in rural Mongolia





Overview

Is Mongolia a good country for mobile solar power?

Mongolia is uniquely suited for mobile solar power systems. The country, landlocked between Russia and China, has long depended on vast coal deposits to provide electricity for some city centers. All grid-based electricity is generated and transmitted from one, government-owned system of coal power plants.

Can solar power be used for nomadic herders in Mongolia?

Capturing the Sun in the Land of the Blue Sky: Providing Portable Solar Power to Nomadic Herders in Mongolia. No. 72683. The World Bank, 2012. Kapadia, K. The Not-So-Sunny Side of Solar Energy Markets: A Case Study of Sri Lanka. 2003. University of California, Berkeley Masters Project.

How much does Mongolia's solar energy project cost?

It builds upon the success of the SHS systems and plans \$54.4 million USD for supplying nine of the country's provinces with energy grids, and installing Mongolia's first large-scale build photovoltaic solar energy (PV) plant. Note that this system would not be mobile, but rather a large solar farm in the Gobi.

Can solar panels be used in Mongolia?

Mongolia's unique environment is perfectly situated for the use of solar panels. Mongolia has a dry climate, with long, cold but sunny winters, dry hot summers, low precipitation, and large temperature fluctuations. It is estimated that the country has 260 sunny days (Fassnacht et al., 2011) or 2791.5 hours of sunshine per year.



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