

SolarInnovate Energy Solutions

Solar site-specific energy prices



Overview

What is a solar capture rate?

The capture rate compares wind and solar capture prices to the overall wholesale spot market average price. Platts renewable capture price indices track weighted average prices that renewable energy generators receive for the electricity they produce across a daily period, based on hourly generation and pricing data.

Does commercial solar cost a lot?

The solar price for commercial projects varies based on system size, location, energy needs, and available incentives. Unlike residential solar, commercial solar pricing benefits from economies of scale, resulting in a lower levelized cost of electricity (LCOE).

What is residential solar PV?

As solar prices continue to decline, utility solar PV plays a key role in the global energy transition, supporting large-scale renewable energy adoption. Residential solar PV refers to home solar power systems that generate electricity using photovoltaic (PV) panels.

What are renewable capture prices?

Renewable capture prices represent the market value of wind and solar electricity generation. Capture prices reflect what onshore and offshore wind, and solar power generators earn for the electricity they produce based on hourly generation and pricing data.

How is solar price measured?

The solar price for utility-scale projects is measured using LCOE, which typically has the lowest LCOE among all solar PV sectors. As solar prices continue to decline, utility solar PV plays a key role in the global energy transition, supporting large-scale renewable energy adoption.

What are the costs of solar PV projects?

The costs of solar PV projects include power generation, predevelopment, construction, and operation and maintenance costs, as well as the discount rate of fixed-term considerations, the depreciation of fixed assets, and/or the residual value of assets (equation (1) 63):

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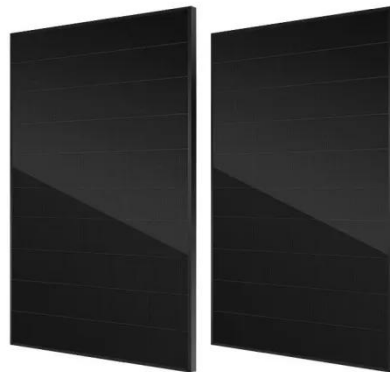


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