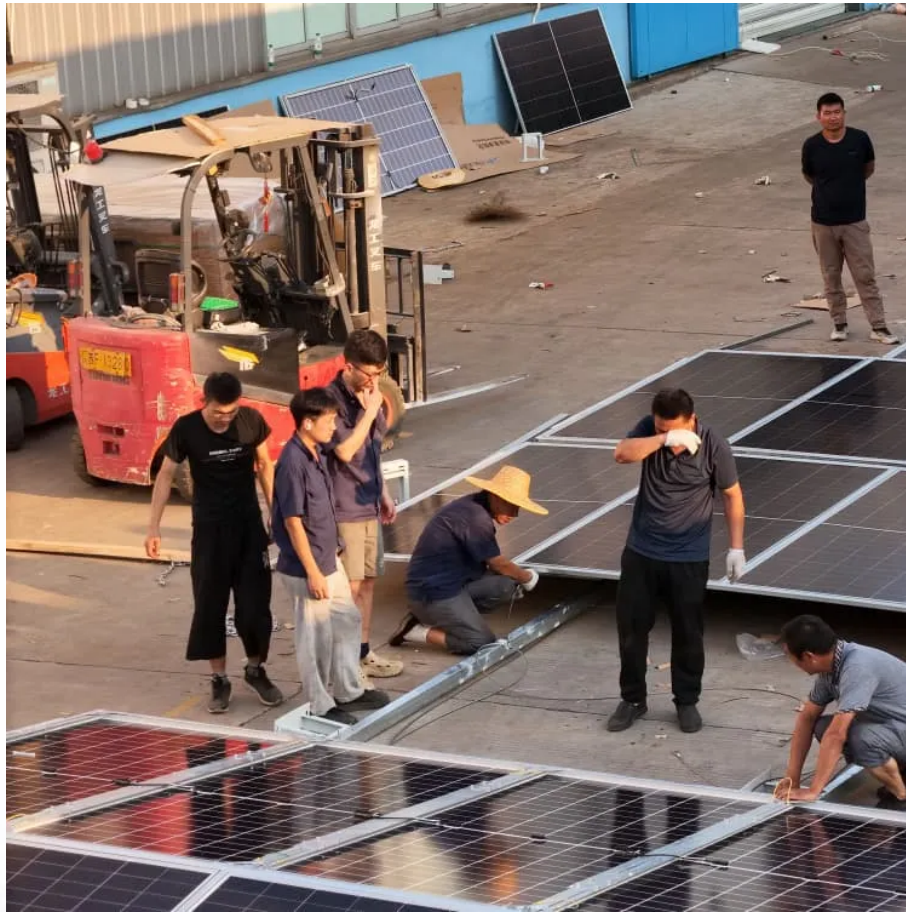


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Solar module exports account for 10



Overview

Solar cells, which are unassembled parts that make up solar panels, made up the remaining 10% of China's solar exports by value (\$2.5 billion). The main export destinations for solar cells were Türkiye (33%), India (17%), Cambodia (15%), Thailand (10%) and South Korea (4%). How many solar modules are there in the US?

The US added 8.6 GW of solar module manufacturing capacity in Q1, bringing the total to 51 GW. However, growth in upstream manufacturing capacity remains slow or non-existent. ES Foundry became just the second domestic cell manufacturer when it opened a 1 GW cell factory in South Carolina in January.

How many dumping and import taxes are imposed on solar PV?

Since 2011, the number of antidumping, countervailing and import duties levied against parts of the solar PV supply chain has increased from just 1 import tax to 16 duties and import taxes, with 8 additional policies under consideration. Altogether, these measures cover 15% of global demand outside of China. IEA. Licence: CC BY 4.0.

How much solar power do we need to achieve net zero emissions?

Annual solar PV capacity additions need to more than quadruple to 630 gigawatts (GW) by 2030 to be on track with the IEA's Roadmap to Net Zero Emissions by 2050. Global production capacity for polysilicon, ingots, wafers, cells and modules would need to more than double by 2030 from today's levels.

Are solar PV supply chains cost-competitive?

Currently, the cost competitiveness of existing solar PV manufacturing is a key challenge to diversifying supply chains. China is the most cost-competitive location to manufacture all components of the solar PV supply chain. Costs in China are 10% lower than in India, 20% lower than in the United States, and 35% lower than in Europe.

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