

Global solar container installed capacity in 2020

<div class="df_qntext">Will global solar PV capacity increase in 2020?

In 2020 global solar PV net capacity additions are expected to reach 107 GW, 1% lower compared to 2019. Despite the slowdown, global solar PV capacity will exceed wind capacity for the first time, claiming second place among renewables behind hydropower.

<div class="df_qntext">How many GW of PV are installed in 2020?

In 2020, 48,2 GW of PV were installed, compared to 43,4 GW in 2018 and 30,1 GW in 2019. China remains the leader in terms of cumulative capacity with 253,4 GW installed, almost one third of the global PV installed capacity. Outside of China, the global PV market grew from 79,2 GW in 2019, to at least 90 GW in 2020, a 14% increase year on year.

<div class="df_qntext">What was the total installed capacity of solar power in 2019?

The total cumulative installed capacity for PV at the end of 2019 reached at least 627 GW. These are the main outcomes of the latest IEA PVPS "Snapshot of Global Photovoltaic Market 2020" report. In 2019, the PV market broke the 100 GW threshold for the third time in a row and the market grew with 12% YoY.

<div class="df_qntext">Will solar PV capacity additions increase 33% in 2020?

Solar PV capacity additions are expected to increase 33% in 2020 from 2019. China's PV growth slowed in 2018 and 2019 because the government temporarily froze PV subsidy allocations and announced the transition to competitive auctions in 2018.

<div class="df_qntext">Which countries install the most solar power?

China remains the leader in terms of cumulative capacity with 253,4 GW installed, almost one third of the global PV installed capacity. Outside of China, the global PV market grew from 79,2 GW in 2019, to at least 90 GW in 2020, a 14% increase year on year. The European Union installed close to 19,6 GW and the rest of Europe added around 2,6 GW.

<div class="df_qntext">Will China's solar PV deployment be a record in 2021?

China's historical last-quarter deployment (which ranges from 7 GW to 15 GW) does, however, introduce a major portion of 2020 PV forecast uncertainty. Another record for global solar PV additions is anticipated for 2021, with nearly 117 GW installed - a nearly 10% rise from 2020.

In 2020, global cumulative installed capacity was 14 GW/ 32 GWh, with solar-plus-storage systems accounting for only a single digit of share. Such a small scale showed little potential.

World installed 380 GW of new solar capacity in first six months of 2025 Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 ...

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Decisionmakers across the globe should ensure that their flexibility plans match, and maximise, the solar reality." While solar continues to grow globally, its distribution remains highly ...

Highlights Solar District Heating 2020 China reported the installation of 171,068 m² collectors for district heating and 25 other large-scale systems, with an average of 6,945 m² per plant, corresponding to ...

In 2020, China's newly installed grid-connected photovoltaic capacity reached 48.2GW, a year-on-year increase of 60.1%, of which the installed capacity of centralized photovoltaic power plants was ...

Executive Summary Global Solar Deployment IEA reported that in 2022, 231 GWdc of PV was installed globally, bringing cumulative PV installs to 1.2 TWdc. China's annual PV installations grew 57% y/y in ...

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