

NORTH AMERICAN SOLAR POWER SCORE CARD

U.S. Solar Power

Total grid-connected PV generating capacity for the U.S., to the end of 2022:

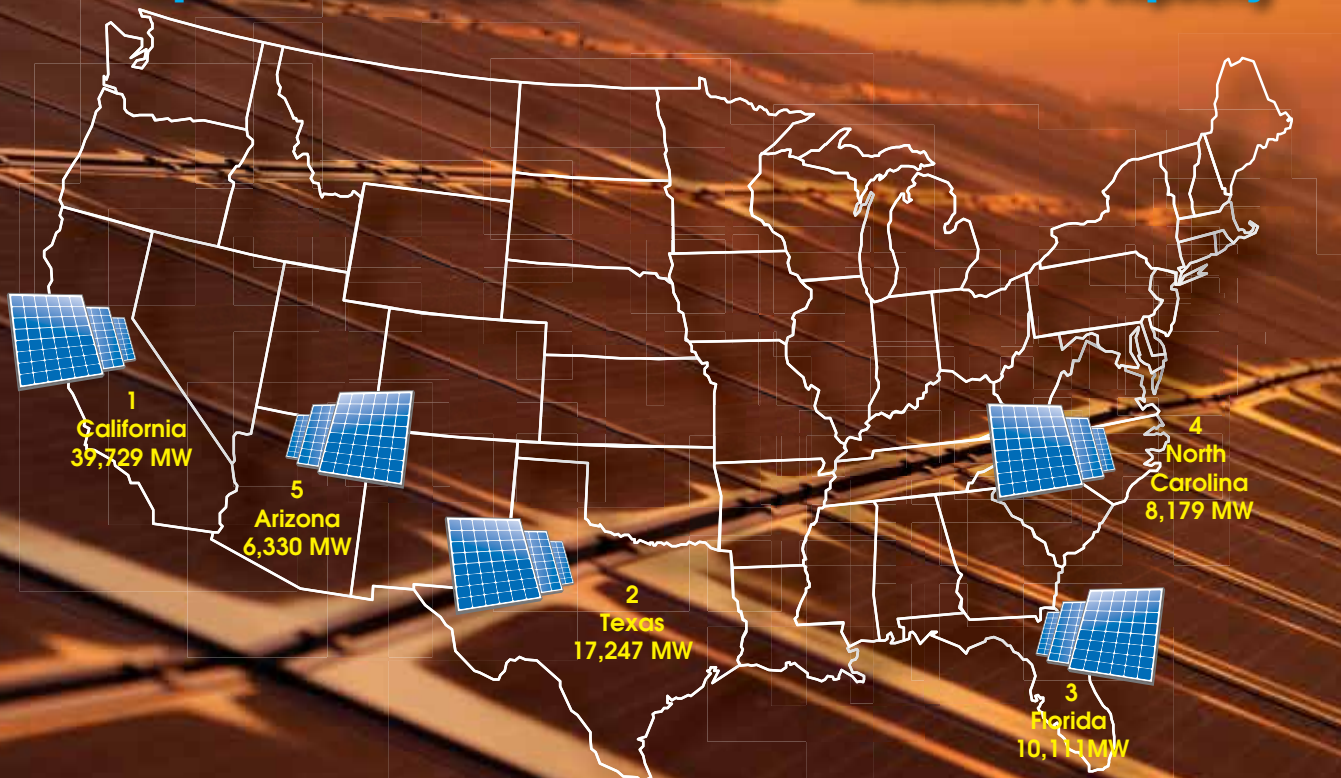
• 142,300 megawatts (142.3 gigawatts)

Growth in solar power capacity during 2022:

• 20,200 megawatts (20.2 gigawatts) of new solar PV capacity

- ▶ There was a 16 percent decrease in new solar capacity in 2022 in the U.S., from 2021. This was due in large part to an investigation into new anti-circumvention tariffs, as well as equipment detentions by Customs and Border Protection under the Uyghur Forced Labor Prevention Act.
- ▶ While 2022 was a difficult year for the solar industry, some of the supply chain issues are expected to ease; growth is projected to be 41 percent in 2023.
- ▶ The U.S. is expected to add over 570 gigawatts of new solar capacity in the next decade, bringing installed solar capacity from 142 GW to over 700 GW in 2033.
- ▶ The residential solar market experienced a 40 percent increase in installed solar capacity in 2022, and now 6 percent of all homes in the U.S. have solar. By 2030, that number is expected to grow to 15 percent.

Top Five Solar Power U.S. States — Installed PV capacity



Top Five U.S. PV Solar Installations that came online in 2022

- | | |
|---|--|
| 1. Edwards & Sanborn Solar, California - 578 MW | 4. Fighting Jays Solar, Texas - 350 MW |
| 2. Samson Solar Energy Center, Texas - 500 MW | 5. Slate Solar, California - 300 MW |
| 3. Old 300 Solar, Texas - 430 MW | |

MW figures are MW-DC. Source: Solar Energy Industries Association (SEIA, www.seia.org), American Clean Power Association (cleanpower.org).

Canada – Solar Power

- Total major solar energy capacity, end of 2022: Approx. 4,000 MW *
- Installed in 2022: 810 MW

Canadian Solar Power Numbers

- ▶ Solar power is currently growing particularly quickly in Canada. Solar power grew by 25.9 percent (810 MW) in 2022. More than a quarter of Canada's current solar capacity was installed in 2022.
- ▶ The province of Alberta accounted for almost all the solar power growth in 2022, with 759 MW installed. The neighboring province of Saskatchewan installed 10 MW.
- ▶ At the end of 2022, Canada's leading solar power province, Ontario, had more than 1,900 megawatts of installed solar PV capacity, powering nearly 517,000 homes. It was followed by Alberta, at 1,089 MW, and Saskatchewan at 31.2 MW. Rounding out the top five solar provinces was Quebec, with 11.8 MW, and Nova Scotia, with 6.9 MW.
- ▶ Canada's largest solar project is the Travers Solar Project, in Alberta. It is located on 3,330 acres of land and is 465 MW in size. The project was developed through a partnership with Greengate Power Corporation and Copenhagen Infrastructure Partners.
- ▶ In combined solar and wind power, Canada added more than 1.8 GW of new generation capacity in 2022, which was significantly larger than the previous year's growth (1 GW in 2021). The Canadian Renewable Energy Association, (CanREA) is forecasting the addition of more than 5 GW of wind and 2 GW of major solar in the short term (2023-5).
- ▶ Canada has 196 major solar energy projects producing power across the country. The country has only begun to scratch the surface of its vast and untapped solar and wind energy resources, according to CanREA.

*The Canadian figures do not include behind-the-meter or rooftop installations.
Source: Canadian Renewable Energy Association www.renewablesassociation.ca