# NORTH AMERICAN SOLAR POWER SCORE CARD

## U.S. Solar Power

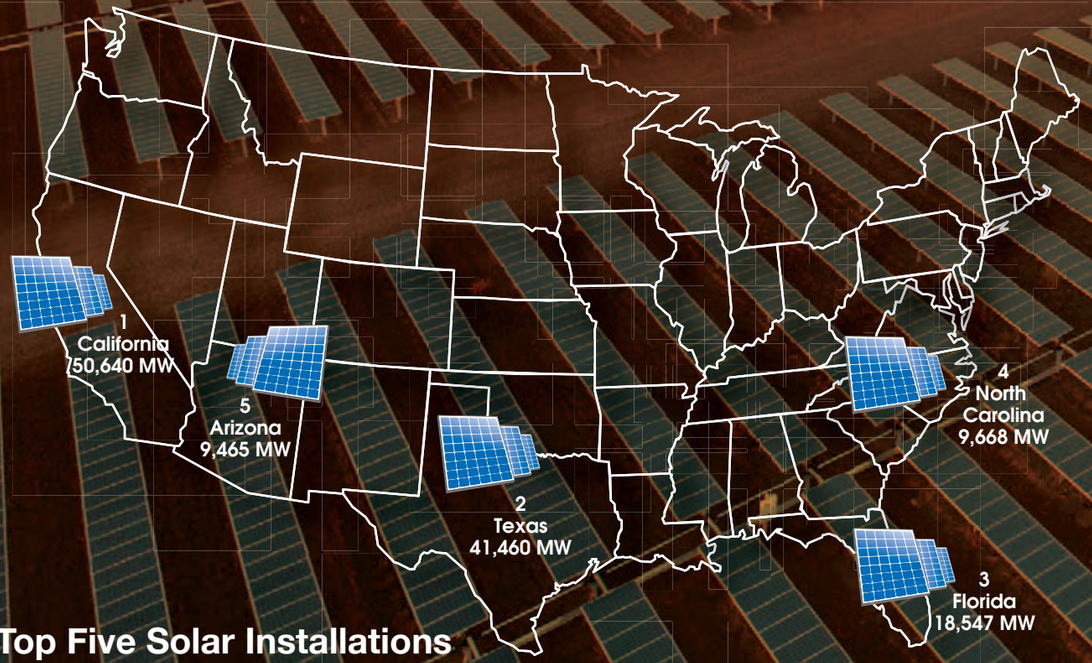
- **Total amount of solar power installed in the U.S., to the end of 2024: 235.6 gigawatts (GW)**
- **Growth in solar power capacity during 2024: A record-breaking 50 GW was added during the year**
- **Total number of solar power systems installed in the U.S., end of 2024: 5,425,045**

► The U.S. installed a record-breaking 50 gigawatts (GW) of new solar capacity in 2024, the largest single year of new capacity added to the grid by any energy technology in over two decades.

► Domestic solar module production tripled last year, and at full capacity, U.S. factories can now produce enough to meet nearly all demand for solar panels in the U.S.

► Texas led all states for new solar capacity additions last year, replicating a record-setting 2023 with 11.6 GW of new installations. In total, 21 states set new annual installation records, and 13 states added over 1 GW of new solar capacity in 2024.

### Top Five U.S. States in Solar Power — Installed PV Capacity




### Top Five Solar Installations

1. Edwards & Sanborn Solar, California - 809 MW
2. Copper Mountain, Nevada - 755 MW
3. Gemini Solar, Nevada - 690 MW
4. Mount Signal Solar, California - 614 MW
5. Double Black Diamond Solar, Illinois - 593 MW

*Source: Solar Energy Industries Association (SEIA, www.seia.org)*



## Canada – Solar Power

- **Total grid-connected capacity, end of 2024: 5,411 MW ***
- **Installed in 2024: 293 MW**

### Top five Canadian provinces for solar power:

| Province | Total (MW) |
|---|---|
| Ontario | 2,799 MW |
| Alberta | 2,145 MW |
| Saskatchewan | 102 MW |
| British Columbia | 101 MW |
| Nova Scotia | 80 MW |

### Canadian Solar Power Numbers

► Canada's solar energy capacity (utility-scale and onsite) has grown 92 percent in the past 5 years (2019-2024).

► Canada's total wind, solar and storage installed capacity is now more than 24 GW, including more than 4 GW of utility-scale solar, 1+ GW on-site solar, over 18 GW of wind, and 330 MW of energy storage.

► Canada now has 217 major solar energy projects producing power across the country. There are now nearly 96,000 onsite solar energy installations across Canada.

► While the province of Quebec has lagged behind other provinces in solar power, provincial utility Hydro-Québec has committed to purchasing 3,000 MW of solar power by 2035, starting with the launch of a 300 MW RFP.

### Largest Canadian Solar Projects

1. Travers Solar Project, Alberta - 465 MW
2. Big Sky Solar, Alberta - 140 MW
3. Claresholm Solar Project, Alberta - 132 MW
4. Grand Renewable Energy Park, Ontario - 100 MW
5. Kingston Solar Project, Ontario - 100 MW

** This figure includes transmission-connected, distribution connected, and behind the meter, sometimes called residential, solar.*
*Source: Canadian Renewable Energy Association, CanREA, www.renewablesassociation.ca*