State Solar Spotlight

South Carolina

Key Figures

- **Total Solar Installed**: 1,265.77 MW (511.04 MW in 2019)
- **National Ranking**: 15th (Ranks 7th in 2019)
- **Solar Jobs**: 3,307 (Ranks 25th in 2019)
- **Growth Projection**: 1,548.92 MW over the next 5 years (Ranks 15th)

- **Enough solar installed to power**: 144,917 homes
- **Percentage of state’s electricity from solar**: 1.25%
- **Price decline over the last five years**: 40%

There are 77 solar companies operating in South Carolina.

- **17 Manufacturers**
- **35 Installers/Developers**
- **25 Others**

The solar industry has invested $1,705.29 million in South Carolina, including $525.24 million in 2019.

South Carolina Annual Solar Installations

- **Capacity (MW)**: 400

Legend:
- Residential
- Non-Residential
- Utility
More information about solar energy in South Carolina

- Moffett Solar Project has the capacity to generate 71.4 MW of electricity — enough to power over 7,834 South Carolina homes.

- Boeing is one of the first major corporations to go solar in South Carolina with its 2 MW project in North Charleston.

- At 10 MW, Ridgeland Solar Project is among the largest solar installations in South Carolina. Completed in 2017, this photovoltaic project has enough electric capacity to power more than 1,097 homes.

References

All data from SEIA/Wood Mackenzie Power & Renewables, Solar Market Insight© unless otherwise noted: https://www.seia.org/smi


2 Energy Information Administration, Electric Power Monthly: https://www.eia.gov/electricity/monthly/#generation

3 SEIA, National Solar Database: https://www.seia.org/research-resources/national-solar-database


The Solar Energy Industries Association (SEIA®) is the driving force behind solar energy and is building a strong solar industry to power America through advocacy and education. As the national trade association of the U.S. solar energy industry, which now employs more than 250,000 Americans, we represent all organizations that promote, manufacture, install and support the development of solar energy. SEIA works with its 1,000 member companies to build jobs and diversity, champion the use of cost-competitive solar in America, remove market barriers and educate the public on the benefits of solar energy.