

Top developers reach 100 Gigawatts of utility-scale solar capacity

The cumulative installed capacity of the top utility-scale solar developers has now topped 100 GW_{AC}. The top 35 companies in Wiki-Solar's latest 'league table' added a remarkable 30 GW_{AC} since the beginning of last year.

| Rank | Project developer | Cumulative to date | | Change since end 2020 | | |
|------|--|--------------------|-------|-----------------------|-------|------|
| | | Plants | GWac | Plants | GWac | Rank |
| 1 | NextEra Energy [US] inc. Florida Power & Light, & others | 121 | 7.491 | 41 | 2.943 | 2 |
| 2 | Adani Green Energy [IN] inc. SB Energy, Parampujya | 67 | 6.606 | 12 | 3.399 | 1 |
| 3 | First Solar [US] inc. Solar Chile | 73 | 5.588 | 2 | 0.250 | |
| 4 | Canadian Solar [CA] inc. Recurrent Energy | 218 | 5.576 | 9 | 1.136 | 13 |
| 5 | SPIC [CN] inc. Huanghe, Shanghai Electric & others | 58 | 5.494 | 3 | 0.954 | 17 |
| 6 | ENEL [IT] inc. ENEL Green Power, Codensa & others | 70 | 5.097 | 9 | 0.979 | 16 |
| 7 | Cypress Creek Renewables [US] inc. FLS Energy | 305 | 4.176 | 95 | 2.187 | 3 |
| 8 | Engie [FR] inc. SolaireDirect, SoCore Energy & others | 202 | 4.163 | 38 | 1.294 | 8 |
| 9 | ACME Solar [IN] | 68 | 3.440 | 6 | 1.207 | 11 |
| 10 | SunEdison [US] (in insolvency) inc. Enfinity, & others | 127 | 3.010 | 2 | 0.086 | |
| 11 | Azure Power [IN] | 48 | 2.930 | 4 | 1.325 | 7 |
| 12 | EDF [FR] inc. EDF Energies Nouvelles, Photon & others | 89 | 2.801 | 25 | 0.852 | 19 |
| 13 | ACWA Power [SA](49% owned by Silk Road Fund [CN]) | 10 | 2.756 | 2 | 1.560 | 4 |
| 14 | AES Clean Energy [US] inc. Main Street Power, sPower | 113 | 2.378 | 23 | 0.564 | 23 |
| 15 | Tata Power [IN] inc. Welspun, Northwest Energy & others | 44 | 2.374 | 6 | 0.690 | 21 |
| 16 | National Thermal Power Corporation [IN] | 25 | 2.370 | 8 | 1.165 | 12 |
| 17 | Lightsource BP [GB] (part owned by BP) | 119 | 2.344 | 20 | 1.224 | 10 |
| 18 | BayWa r.e. [DE] inc. GroenLeven | 112 | 2.322 | 27 | 1.120 | 14 |
| 19 | ReNew Power [IN] | 22 | 2.186 | 7 | 1.390 | 6 |
| 20 | Total [FR] inc. Quadran Energie, Total Solar & others | 84 | 2.175 | 35 | 1.449 | 5 |
| 21 | Neoen [FR] inc. Eight Rivers Energy | 54 | 2.095 | 22 | 0.791 | 20 |
| 22 | Iberdrola Renewables [ES] inc. Infigen, Avangrid | 27 | 2.088 | 8 | 0.898 | 18 |
| 23 | Shell [NL] inc. Silicon Ranch, Savion & others | 50 | 2.028 | 11 | 0.583 | 22 |
| 24 | Enerparc [DE] inc. Pays de Montmédy Solaire | 202 | 1.774 | 2 | 0.251 | |
| 25 | Invenergy Services [US] | 17 | 1.704 | 7 | 1.263 | 9 |
| 26 | X-Elio [ES] (part owned by KKR [US] 50% with Brookfield [C]) | 56 | 1.692 | 4 | 0.324 | 24 |
| 27 | Scatec ASA [NO] | 31 | 1.674 | 6 | 0.304 | |
| 28 | 8minutenergy [US] | 13 | 1.620 | 1 | 0.250 | |
| 29 | CGN Solar Energy Development [CN] (part of CGNPG) | 21 | 1.601 | 1 | 1.000 | 15 |
| 30 | Trina Solar [CN] inc. Sun and Soil | 18 | 1.559 | 2 | 0.156 | |
| 31 | Shunfeng [CN] inc. S.A.G. Solarstrom | 9 | 1.551 | | | |
| 32 | Hanwha [KR] | 26 | 1.447 | 1 | 0.114 | |
| 33 | juwi AG [DE] | 80 | 1.412 | 4 | 0.028 | |
| 34 | ACS Cobra [ES] (part of ACS Group) | 10 | 1.409 | 0 | 0.000 | |
| 35 | FRV (Fotowatio & Renewable Ventures) [NL] (now part of A) | 30 | 1.383 | 2 | 0.201 | |

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[a] GWac figures are totalled for projects over 4 MWac, so GWp totals are typically 25-50% higher than shown here.
 [b] Wiki-Solar's database holds Project developers for 66.0% of active plants (25.8% by these 35 listed companies) so some participants may not be shown, and for others figures may be understated by a factor of 1.5 on average.

The world's top utility-scale solar project developers by cumulative operational capacity

“Impressive growth of solar in the US has helped North American companies retain four of the top seven places”, says Wiki-Solar founder Philip Wolfe; “while developers focussed on the Chinese and Indian markets continue to show strongly. Leading European developers have retained their positions by diversifying into international markets.”



The list shows a broad mix of energy multi-nationals alongside specialist renewable energy developers.

In the first group, NextEra Energy reached the top slot last year thanks largely to the number of new plants being installed by its subsidiary Florida Power and Light. AES too is building a substantial portfolio of solar capacity in the USA. Indian utilities Adani, ACME and Azure have significantly grown capacity in their home market, as has SPIC in China. Meanwhile European energy majors ENEL, Engie, EDF, Shell and Total are strengthening their renewables holdings with international holdings.

PV specialists also show strongly in the US, led by panel manufacturers First Solar and Canadian Solar, while the independent developer Invenergy enters the list for the first time. European renewables specialists remain prominent, led by Lightsource (part-owned by BP), Baywa, Neoen, Enerparc, X-Elio and Scatec. The independent ReNew Power retains a leading position in the Indian market.

Some developers sell projects before or after they are commissioned, but others retain ownership of some or all of their plants. Some of these companies therefore also appear in the top owners' list – which Wiki-Solar shows separately [on its website](#).

Readers are reminded that Wiki-Solar measures capacity in MW_{AC} including only projects over 4MW_{AC}, so most of the listed PV companies have developed over 2 GW_P, measured by the DC solar array output.

T E X T E N D S

Notes for editors:

- [1] This release on the utility-scale solar market is available here: http://wiki-solar.org/library/public/2205_Top-list_Utility-scale_solar_developers.pdf
- [2] The top-list, with further details of the role of the EPC contractor is shown on Wiki-Solar's website [here](#); and equivalent details for O&M contractors are given [here](#).
- [3] Wiki-Solar defines 'utility-scale solar' as 4 MW_{AC} and above ($\approx 5\text{MW}_P$ for PV; \approx electricity for 1,500 households in Europe) see: <http://wiki-solar.org/data/glossary/utility-scale.html>.
- [4] '*Solar Photovoltaic Projects in the mainstream power market*' was [published](#) in 2012.
- [5] Wiki-Solar is the leading authority on utility-scale solar with a database covering over 18,000 utility-scale solar projects, of which about three-quarters are operational. All figures in this release are based on the AC export rating of operational plants. Projects under development are excluded until they have been commissioned.

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