

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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