

Top-list of utility-scale solar constructors

Thirty companies now in the ‘Gigawatt Club’

Continuing growth in utility-scale solar has fired more EPC contractors into the ‘Gigawatt Club’ of companies with over 1 GW_{AC} installed. “Two year ago, fewer than twenty companies had completed 1 GW_{AC} of large-scale solar projects – now there are thirty”, says Wiki-Solar founder Philip Wolfe. “And more than half of those are European”.

Rank	EPC contractor	Cumulative to date		Change since end 2019		
		Plants	GWac	Plants	GWac	Rank
1	SOLV Energy (formerly Swinerton SRE) [US]	128	6.510	18	2.632	1
2	First Solar [US]	58	4.393	1	0.200	25
3	Sterling & Wilson [IN] (part of SP Group)	67	3.516	7	0.831	5
4	Belectric [DE] (now part of Innogy)	151	2.718	12	0.660	10
5	Eiffage [FR]	57	2.677	19	1.379	2
6	Mahindra [IN]	43	2.555	3	0.659	11
7	Enerparc [DE]	258	2.346	27	0.274	21
8	ACME Solar [IN]	47	2.281	3	0.570	13
9	juwi AG [DE] inc. JSI Construction	135	2.112	9	0.368	18
10	Vinci Energies [FR] inc. Semi Group and others	38	2.094	8	0.616	12
11	Abengoa [ES] inc. Abener Energia	30	2.084	2	0.060	
12	McCarthy Building [US]	49	2.046	12	1.215	3
13	Bouygues [FR]	121	1.807	6	0.313	20
14	Mortenson Construction [US]	20	1.743	3	0.384	17
15	Larsen & Toubro [IN]	47	1.655	5	0.208	23
16	BayWa r.e. [DE]	90	1.650	31	0.822	6
17	Scatec ASA [NO]	30	1.434	5	0.343	19
18	Biosar Energy [GR]	47	1.429	2	0.132	
19	Signal Energy [US]	10	1.411	5	0.889	4
20	Cypress Creek Renewables [US]	79	1.354	2	0.099	
21	Acciona Energía [ES]	22	1.260	2	0.203	24
22	Blattner Energy [US]	11	1.247	2	0.792	7
23	Metka-Egn [GR] (part owned by Mytilineos)	72	1.202	12	0.751	8
24	TSK Group [ES]	19	1.150	2	0.105	
25	Sener [ES]	18	1.129			
26	Rosendin Electric [US]	12	1.018	1	0.514	14
27	SPIC [CN] inc. Shanghai Electric	3	1.015	1	0.708	9
28	Goldbeck Solar [DE]	60	1.012	10	0.484	15
29	Elecnor [ES]	33	0.969	3	0.215	22
30	RES Group (Renewable Energy Systems) [GB]	20	0.961	4	0.449	16

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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 EPC contractors for 33.5% of active plants (18.5% by these 30 listed companies) so some participants may not be shown, and for others figures may be understated by a factor of 3 on average.

The ‘Gigawatt Club’ – latest list of the world's top utility-scale solar constructors

The strength of the North American market means that the top spots are still held by US companies, led by SOLV Energy (the re-branded Swinerton Renewable Energy). But European companies continue to perform well, partly from renewed growth in Spain and other home markets, partly from their international activities in Japan and South America, for example.



France's Eiffage is this year's biggest climber, joining Bouygues and Vinci in the top half of the table. Germany's Belectric, Juwi, Baywa r.e. and Enerparc remain prominent, while Goldbeck is climbing. McCarthy Construction has also risen, buoyed by strong performance in its home market, while India's Acme is another climber. Strong domestic order books mean that Spain's Grupotec and Gransolar are likely to join their 5 compatriots in the 'Club' soon.

Readers are reminded that Wiki-Solar measures capacity in MW_{AC} , so the listed PV companies have all installed comfortably over $1.25 GW_p$, measured by the DC solar array output.

Most, but not all, of the leading operation and maintenance contractors – which Wiki-Solar lists separately [on its website](#) – are companies in this top constructors table.

“This table is subject to the usual caveat because of the opacity of the market in China”, says Wolfe; “we hold less data about Chinese companies, so their involvement is sure to be understated.”

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/21102_Top-list_Utility-scale_solar_EPCs.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 ($\approx 5 MW_p$ 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 14,000 utility-scale solar projects, of which about three-quarters are operational. All figures are based on the AC export rating of operational plants. Projects under development are excluded until they have been commissioned.

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