

Utility-scale solar breaks through 500 GWp Leading EPC contractors thrive

Global installed capacity of utility-scale solar has broken through 400 GW_{AC} says sector specialists Wiki-Solar. Having started the year below 350 GW, the total now stands at 405 GW_{AC}, representing just over 500 GW_{DC} – that’s half of a terawatt peak.

Leading EPC contractors are thriving as the market boom continues, according to figures also published today. “American, European and Indian contractors are all doing well”, says Wiki-Solar founder Philip Wolfe; “with many again achieving record results”.

Rank	EPC contractor	Cumulative to date		Change since end 2020		Rank
		Plants	GWac	Plants	GWac	
1	SOLV Energy [US] (formerly Swinerton)	155	9.815	25	3.473	1
2	First Solar [US]	57	4.274	0	0.000	
3	Eiffage [FR]	80	3.818	34	1.770	3
4	Sterling & Wilson [IN] (part of SP Group)	69	3.778	4	0.611	14
5	McCarthy Building [US]	59	3.459	15	2.018	2
6	ACME Solar [IN]	50	2.931	5	1.200	5
7	Belectric [DE] (now part of Elevion)	162	2.917	17	0.584	16
8	Enerparc [DE]	270	2.799	7	0.396	21
9	Abengoa [ES] inc. Abener Energia	32	2.656	2	0.624	13
10	Mahindra [IN]	44	2.653	2	0.436	20
11	Bouygues [FR]	173	2.575	52	1.000	9
12	BayWa r.e. [DE] inc. GroenLeven	108	2.390	28	1.141	7
13	juwi AG [DE] inc. JSI Construction	145	2.328	14	0.228	
14	Mortenson Construction [US]	24	2.247	4	0.493	19
15	Vinci Energies [FR] inc. Semi, Omexom & others	39	2.142	4	0.106	
16	Signal Energy [US]	12	1.861	4	0.884	11
17	Metka-Egn [GR] (part owned by Mytilineos)	81	1.845	14	1.168	6
18	Larsen & Toubro [IN]	52	1.769	5	0.175	
19	Rosendin Electric [US]	18	1.721	6	1.010	8
20	Tata Power [IN]	17	1.596	5	0.972	10
21	Scatec ASA [NO]	32	1.522	3	0.128	
22	Blattner Energy [US]	13	1.503	1	0.642	12
23	Biosar Energy [GR]	49	1.495	1	0.028	
24	Acciona Energía [ES]	23	1.464	1	0.201	
25	Cypress Creek Renewables [US]	79	1.374			
26	State Power Investmt Corp [CN] inc. Shanghai Electric	3	1.358	1	1.258	4
27	TSK Group [ES] inc. TSK Electronica y Electricidad	21	1.323	5	0.607	15
28	Sener [ES]	18	1.129	0	0.000	
29	Gransolar [ES]	17	1.107	3	0.325	22
30	Goldbeck Solar [DE]	66	1.107	10	0.295	24
31	Bharat Heavy Electricals [IN]	20	1.063	8	0.505	18
33	Elecnor [ES]	39	1.030	7	0.181	
34	RES Group (Renewable Energy Systems) [GB]	23	0.995	2	0.130	
35	Grupotec [ES]	68	0.981	17	0.553	17
36	Vikram Solar [IN]	11	0.961	1	0.315	23

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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 32.2% of active plants (19.5% by these 36 listed companies) so some participants may not be shown, and for others figures may be understated by a factor of 3 on average.

The world's top utility-scale solar constructors with over ~1,000 MW_{AC} cumulative capacity

The main climbers at the top of the list are France’s Eiffage (now #3), McCarthy in the US (5), ACME India (6) and BayWa r.e. of Germany (12).



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Spain's Abengoa, the former world #2, has now started climbing again thanks to the resurgent local market, which has also benefitted TSK and brought Grupotec into the list. Greece's Metka-EGN maintains its climb up the list.

Indian contractors ACME and Tata have benefitted from the continuing boom in large-scale solar projects in their home market. Chinese companies have also advanced, but continue to be under-reported in these figures owing to the lack of available data from their market.

Readers are reminded that Wiki-Solar measures capacity in MW_{AC} including only projects over 4MW_{AC}, so the listed PV companies have all installed comfortably over 1.25 GW_P, measured by the DC solar array output. Wiki-Solar's database includes both PV and solar thermal power plants.

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.

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/2210_Utility-scale_solar_tops_500GWp - Leading_EPCs.pdf](http://wiki-solar.org/library/public/2210_Utility-scale_solar_tops_500GWp_-_Leading_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 ($\approx 5\text{MW}_P$ for PV; \approx electricity for 1,500 households in Europe) see: <http://wiki-solar.org/data/glossary/utility-scale.html>.
- [4] Wiki-Solar is the leading authority on utility-scale solar with a database covering over 19,000 utility-scale solar projects, of which about three-quarters are operational. Except where stated, 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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