



INDIA

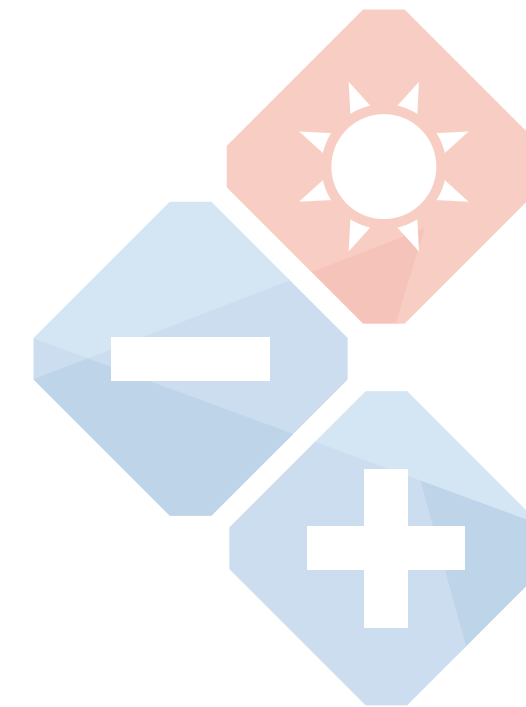
SOLAR SUPPLY CHAIN MAP

Edition 1 - 2025



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ABOUT US

Since 2009, Sinovoltaics, a Dutch-German solar PV and BESS technical compliance and quality assurance service firm has been a pioneer in the solar photovoltaic and BESS industries.

With our AI-based SELMA software and industry leading Zero Risk Solar® guarantee, our mission is to eliminate all PV & BESS product defects, enabling investors and the world to succeed with minimal investment risks.

We have inspection teams located in Mainland China, Vietnam, Thailand, India, Türkiye, and the United States. They are ready to visit your supplier factory.

INTRODUCTION

Sinovoltaics Solar Supply Chain Maps

Dive into the heart of the solar industry, exploring the latest maps showcasing existing and future solar module manufacturers alongside their critical suppliers in solar cells, wafers, ingots, and polysilicon.

Key Features:

- **Region-Specific Maps:** Tailored for each thriving solar market - North America, Europe, Southeast Asia, and India.
- **Manufacturer Directory:** Access up-to-date information on solar manufacturers operating in each region. Stay ahead of the curve by understanding the key players in each market.
- **Expansion Tracking:** Stay informed on industry growth with real-time updates on which manufacturers are currently building new facilities.
- **Comprehensive Updates:** Our dedicated team ensures that the solar supply chain maps are refreshed every 4 months, offering the latest information on evolving market dynamics.

Sinovoltaics' Solar Supply Chain Maps empower you with the knowledge needed to navigate the global solar landscape effectively. Download the latest maps now and stay ahead in the race to harness the potential of solar energy.





July 2025

- The first 2025 edition of the Solar Supply Chain Map has been significantly updated following market feedback. New additions including **Reliance (Gujarat)**, **Evervolt (Andhra Pradesh)**, **Avaada (Maharashtra)**, **Group Surya (Bihar)**, and **Luxra (Maharashtra)**.
- India's solar manufacturing sector is expanding rapidly. **Module production capacity has reached 68.441 GW**, with a target of **120 GW by 2028 to 2030**. **Cell production capacity is currently at 24.56 GW and is expected to grow to 65 GW by 2030**. **Ingot capacity** is projected to increase from **14 GW to 28 GW**. Metallurgical-grade (MG) **silicon output stands at 300,000 tons**. **However, expansion in polysilicon production** has slowed due to falling global prices.
- Since 2017, India has increased its capacity from just **3 GW** of cells and **8 GW of modules**. **This growth is largely due to** government support, including **PLI schemes** and **import duties**. Despite this progress, challenges remain. The industry still depends heavily on imported upstream materials and manufacturing equipment.
- With rising exports and companies like **Vikram** and **TATA Power** setting up operations in the U.S., India is on track to become a leading solar PV manufacturing and export hub.

SOLAR SUPPLY CHAIN INDIA

LEGEND

- Module   Module capacity (GWp)
- Cell   Cell capacity (GWp)
- Wafer   Wafer capacity (GWp)
- Ingot 
- Polysilicon   Polysilicon capacity (GWp)
- MGS   MGS (Metric tonnes)

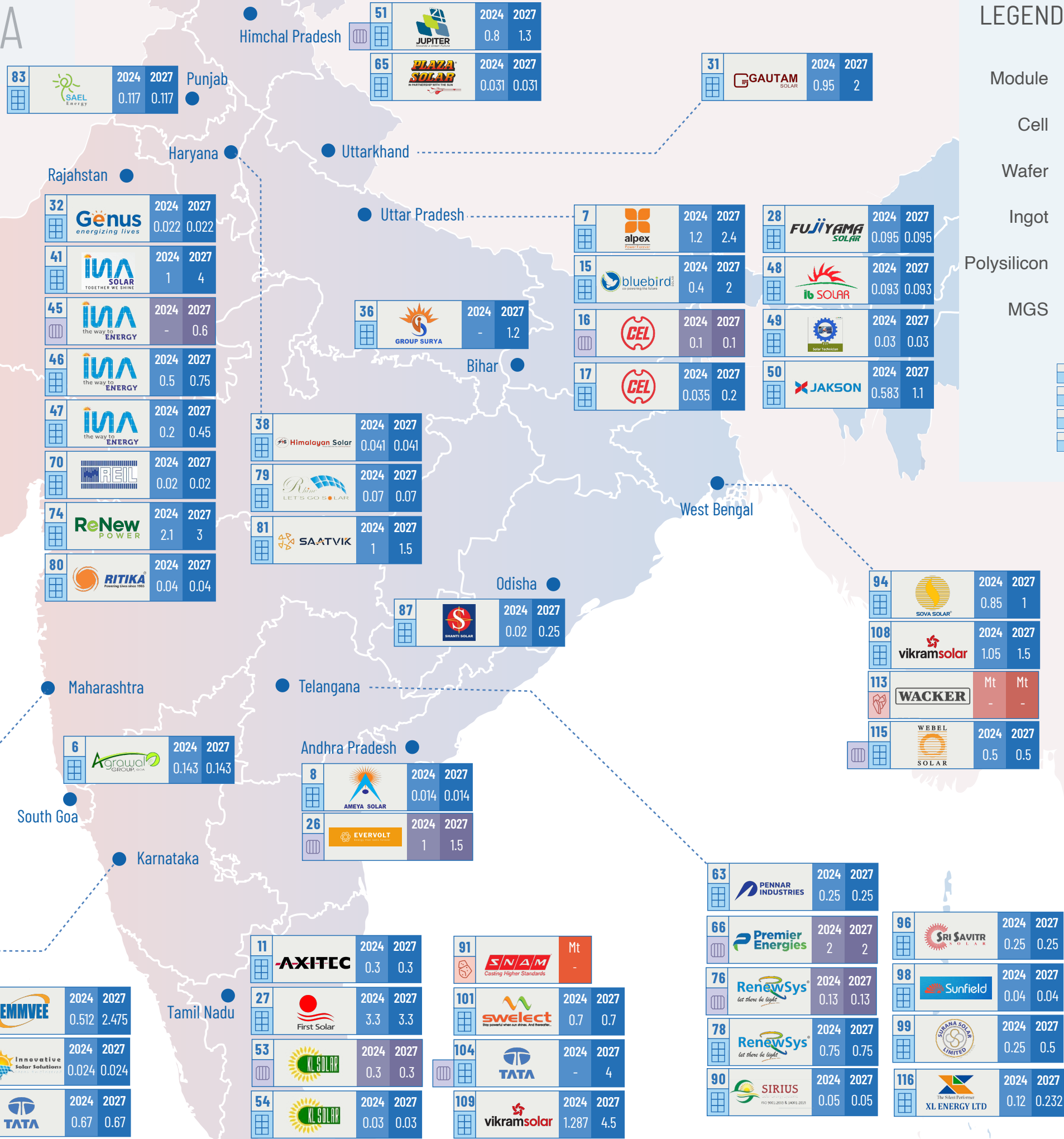
List of factories from the same State / Territory

Unknown State / Territory

1		2024	2027
	0.1	0.1	
2		Mt	30,000
3		2024	2027
	4	10	
4		2024	2027
	2	10	
5		2024	2027
	4	10	
9		2024	2027
	0.25	0.25	
12		2024	2027
	0.3	0.3	
18		2024	2027
	0.06	0.18	
20		2024	2027
	0.07	0.07	
21		2024	2027
	0.125	0.125	
29		2024	2027
	0.5	1.2	
30		2024	2027
	0.069	0.069	
34		2024	2027
	2.2	3.95	
35		2024	2027
	0.396	2.146	
37		Mt	Mt
42		2024	2027
	0.5	0.5	
43		2024	2027
	-	-	
55		2024	2027
	0.143	1.15	
57		2024	2027
	2.158	2.158	
58		2024	2027
	1.942	1.942	
59		2024	2027
	0.5	1.7	
60		2024	2027
	0.028	0.028	
62		2024	2027
	0.8	1.8	
64		2024	2027
	1	1	
69		2024	2027
	0.096	0.096	
71		2024	2027
	1	2	
72		2024	2027
	0.07	0.07	
75		2024	2027
	1.2	3	
82		2024	2027
	1.2	1.5	
84		2024	2027
	0.1	0.1	
85		2024	2027
	0.02	0.02	
86		2024	2027
	0.091	0.091	
89		2024	2027
	0.05	0.05	
92		2024	2027
	0.1	0.1	
93		2024	2027
	0.6	1.2	
97		2024	2027
	0.175	0.175	
100		2024	2027
	0.027	0.027	
102		Mt	Mt
105		2024	2027
	0.15	0.15	

10		2024	2027
	-	3	
19		2024	2027
	0.04	0.04	
22		2024	2027
	0.045	0.045	
52		2024	2027
	0.036	0.036	
56		2024	2027
	0.08	2	
61		2024	2027
	0.6	1.2	
68		2024	2027
	0.2	0.2	
77		2024	2027
	0.565	1.565	
95		2024	2027
	0.042	0.042	

13		2024	2027
	0.214	0.214	
23		2024	2027
	-	1.5	
24		2024	2027
	0.671	2.621	
25		2024	2027
	0.512	2.475	
44		2024	2027
	0.024	0.024	
103		2024	2027
	0.67	0.67	



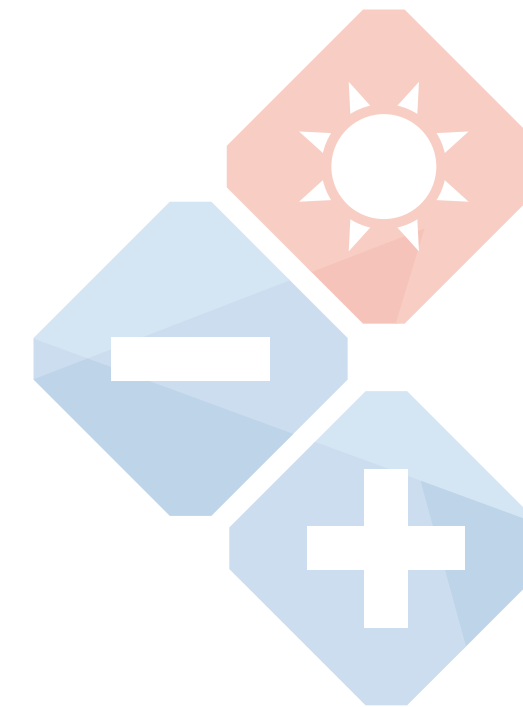
No.	Company Name	State / Country	 Module		 Cell		 Wafer		 Ingot		 Polysilicon		 MGS	Website	Email address
			GWp		GWp		GWp		GWp		GWp		Metric Tonnes		
			2024	2027	2024	2027	2024	2027	2024	2027	2024	2027	2024		
1	Aatmanirbhar Solar	Gujarat	0.1	0.1	-	-	-	-	-	-	-	-	-	https://aatmanirbharsolar.com/	
2	Adani Green Energy	Gujarat	-	-	-	-	-	-	-	-	-	-	30,000	https://www.adanigreenenergy.com/about-us	
3	Adani Solar	Gujarat	-	-	4	10	-	-	-	-	-	-	-	https://www.adanisolar.com/	
4	Adani Solar	Gujarat	-	-	-	-	-	-	2	10	-	-	-	https://www.adanisolar.com/	
5	Adani Solar	Gujarat	4	10	-	-	-	-	-	-	-	-	-	https://www.adanisolar.com/	
6	Agrawal Renewable Energy	South Goa	0.143	0.143	-	-	-	-	-	-	-	-	-	https://www.agrawalgroupgoa.com/agrawal-renewable-energy-pvt-ltd/	
7	Alpex Solar	Uttar Pradesh	1.2	2.4	-	1.6	-	-	-	-	-	-	-	https://alpexsolar.com/	
8	Ameya Solar & Semiconductor	Andhra Pradesh	0.014	0.014	-	-	-	-	-	-	-	-	-	https://www.ameyasolar.com/	
9	Australian Premium Solar	Gujarat	0.25	0.25	-	-	-	-	-	-	-	-	-	https://australianpremiumsolar.co.in/	
10	Avaada Group	Maharashtra	-	3	-	5	-	-	-	-	-	-	-	https://avaada.com/	
11	Axitec	Tamil Nadu	0.3	0.3	-	-	-	-	-	-	-	-	-	https://www.axitecsolar.com/en/solar-modules-from-axitec	
12	Axitec	Gujarat	0.3	0.3	-	-	-	-	-	-	-	-	-	https://www.axitecsolar.com/en/solar-modules-from-axitec	
13	Bharat Heavy Electricals	Karnataka	0.214	0.214	-	-	-	-	-	-	-	-	-	https://www.bhel.com/renewables	
14	Bharat Heavy Electricals	/	-	-	-	-	-	-	-	-	-	-	-	https://www.bhel.com/renewables	
15	Bluebird Solar	Uttar Pradesh	0.4	2	-	-	-	-	-	-	-	-	-	https://bluebirdsolar.com/	
16	Central Electronics	Uttar Pradesh	-	-	0.1	0.1	-	-	-	-	-	-	-	https://www.celindia.co.in/solar-photovoltaic-cell-and-modules	
17	Central Electronics	Uttar Pradesh	0.035	0.2	-	-	-	-	-	-	-	-	-	https://www.celindia.co.in/solar-photovoltaic-cell-and-modules	
18	Citizen Solar	Gujarat	0.06	0.18	-	-	-	-	-	-	-	-	-	https://www.citizensolar.com/	
19	Contendre Greenenergy	Maharashtra	0.04	0.04	-	-	-	-	-	-	-	-	-	https://contendresolar.com/	
20	Cosmic PV Power	Surat	0.07	0.07	-	-	-	-	-	-	-	-	-	https://www.cosmicpvpower.com/	
21	Credence Solar Panels	Gujarat	0.125	0.125	-	-	-	-	-	-	-	-	-	https://www.credencesolar.com/	
22	ECE Energies	Maharashtra	0.045	0.045	-	-	-	-	-	-	-	-	-	https://eceindiasolar.com/	
23	Emmvee	Bengaluru	-	-	-	1.5	-	-	-	-	-	-	-	https://emmvee.com/	
24	Emmvee	Karnataka	0.671	2.621	-	-	-	-	-	-	-	-	-	https://emmvee.com/	
25	Emmvee	Karnataka	0.512	2.475	-	-	-	-	-	-	-	-	-	https://emmvee.com/	

No.	Company Name	State / Country	 Module		 Cell		 Wafer		 Ingot		 Polysilicon		 MGS	Website	Email address
			GWp		GWp		GWp		GWp		GWp		Metric Tonnes		
			2024	2027	2024	2027	2024	2027	2024	2027	2024	2027	2024		
26	Evervolt Green Energy	Andhra Pradesh	-	-	1	1.5	-	-	-	-	-	-	-	http://www.evervolt.in	
27	First Solar	Tamil Nadu	3.3	3.3	-	-	-	-	-	-	-	-	-	https://firstsolar.com/	
28	Fujiyama Power Systems	Uttar Pradesh	0.095	0.095	-	-	-	-	-	-	-	-	-	https://www.fujiyamautlsolar.com/	
29	Future Solar	Karjan	0.5	1.2	-	-	-	-	-	-	-	-	-	https://www.futuresolar.net/	
30	Ganesh Eletricals	Gujarat	0.069	0.069	-	-	-	-	-	-	-	-	-	https://ganeshsolar.com/	
31	Gautam Solar	Uttarakhand	0.95	2	-	-	-	-	-	-	-	-	-	https://gautamsolar.com/	
32	Genus Innovation	Rajasthan	0.022	0.022	-	-	-	-	-	-	-	-	-	https://shop.genusinnovation.com/	
33	Goldi Sun Private	/	-	-	-	5	-	-	-	-	-	-	-	https://goldisolar.com/	
34	Goldi Sun Private	Gujarat	2.2	3.95	-	-	-	-	-	-	-	-	-	https://goldisolar.com/	
35	Goldi Sun Private	Gujarat	0.396	2.146	-	-	-	-	-	-	-	-	-	https://goldisolar.com/	
36	Group Suriya	Bihar	-	1.2	-	1.2	-	-	-	-	-	-	-	https://groupsurya.co.in/	
37	Gujarat Flourochemicals	Gujarat	-	-	-	-	-	-	-	-	-	-	-	https://www.gfl.co.in/	
38	Himalayan Solar	Haryana	0.041	0.041	-	-	-	-	-	-	-	-	-	https://himalayansolar.co.in/	
39	Hindalco	/	-	-	-	-	-	-	-	-	-	-	-	https://www.hindalco.com/	
40	Hindustan Semiconductor Manufacturing Corporation	/	-	-	-	-	-	-	-	-	-	-	-	https://www.hsmcindia.com/	
41	INA Solar	Rajahstan	1	4	-	1.4	-	-	-	-	-	-	-	https://insolationenergy.in/	
42	IndoSolar	Gujarat	-	-	0.5	0.5	-	-	-	-	-	-	-	https://www.indosolar.co.in/	
43	IndoSolar	Gujarat	-	-	-	-	-	-	-	-	-	-	-	https://www.indosolar.co.in/	
44	Innovative Solar Solutions	Karnataka	0.024	0.024	-	-	-	-	-	-	-	-	-	https://innovativesolarsolutions.in/	
45	Insolation Energy	Rajasthan	-	-	-	0.6	-	-	-	-	-	-	-	https://insolationenergy.in/	
46	Insolation Energy	Rajasthan	0.5	0.75	-	-	-	-	-	-	-	-	-	https://insolationenergy.in/	
47	Insolation Green Energy	Rajasthan	0.2	0.45	-	-	-	-	-	-	-	-	-	https://insolationenergy.in/	
48	Integrated Batteries India	Uttar Pradesh	0.093	0.093	-	-	-	-	-	-	-	-	-	https://www.ibsolar.co.in/	
49	ITI	Uttar Pradesh	0.03	0.03	-	-	-	-	-	-	-	-	-	https://www.itiitd.in/naini	
50	Jakson Engineers	Uttar Pradesh	0.583	1.1	-	-	-	-	-	-	-	-	-	https://www.jakson.com/home/	

No.	Company Name	State / Country	 Module		 Cell		 Wafer		 Ingot		 Polysilicon		 MGS	Website	Email address
			GWp		GWp		GWp		GWp		GWp		Metric Tonnes		
			2024	2027	2024	2027	2024	2027	2024	2027	2024	2027	2024		
51	Jupiter	Himachal Pradesh	0.8	1.3	0.3	1.3	-	-	-	-	-	-	-	-	
52	Jyotitech Solar	Maharashtra	0.036	0.036	-	-	-	-	-	-	-	-	-	https://www.jyotitechsolar.in/	
53	KL Solar	Tamil Nadu	-	-	0.3	0.3	-	-	-	-	-	-	-	https://www.klsolar.com/	
54	KL Solar	Tamil Nadu	0.03	0.03	-	-	-	-	-	-	-	-	-	https://www.klsolar.com/	
55	Kosol Energie	Gujarat	0.143	1.15	-	-	-	-	-	-	-	-	-	https://kosolenergie.com/	
56	Luxra	Maharashtra	0.08	2	-	-	-	-	-	-	-	-	-	-	
57	Mundra Solar Energy	Gujarat	2.158	2.158	2	2	1	1	-	-	-	-	-	https://www.mundraenergy.com/	
58	Mundra Solar Energy	Gujarat	1.942	1.942	2	2	1	1	-	-	-	-	-	https://www.mundraenergy.com/	
59	Navitas Green Solutions	Gujarat	0.5	1.7	-	-	-	-	-	-	-	-	-	https://navitassolar.in/	
60	Neety Euro Asia Solar	Gujarat	0.028	0.028	-	-	-	-	-	-	-	-	-	https://www.nease.in/	
61	Novasys Greenenergy	Maharashtra	0.6	1.2	-	-	-	-	-	-	-	-	-	https://novasysgreen.com/	
62	Pahal Solar	Gujarat	0.8	1.8	-	-	-	-	-	-	-	-	-	https://pahalsolar.com/	
63	Pennar Industries	Telangana	0.25	0.25	-	-	-	-	-	-	-	-	-	https://www.pennarindia.com/solar-panels.php	
64	Pixon Green Energy	Gujarat	1	1	-	1	-	-	-	-	-	-	-	https://www.pixonenergy.com/	
65	Plaza Power & Infrastructure	Himachal Pradesh	0.031	0.031	-	-	-	-	-	-	-	-	-	https://www.plzasolar.co.in/	
66	Premier Energies Photovoltaic	Telangana	5.2	5.8	2	2	-	-	-	-	-	-	-	https://www.premierenergies.com/	
67	Premier Energies Photovoltaic	-	-	-	-	-	2	10	-	-	-	-	-	https://www.premierenergies.com/	
68	PV Power Technologies	Maharashtra	0.2	0.2	-	-	-	-	-	-	-	-	-	https://www.pvpowertech.com/	
69	Raajratna Ventures	Gujarat	0.096	0.096	-	-	-	-	-	-	-	-	-	https://raajsolar.com/	
70	Rajasthan Electronics and Instruments (REIL)	Rajasthan	0.02	0.02	-	-	-	-	-	-	-	-	-	https://www.reiljp.com/spv.aspx	
71	Rayzon Solar	Gujarat	1	2	-	-	-	-	-	-	-	-	-	https://www.rayzonsolar.com/	
72	Redren Energy	Gujarat	0.07	0.07	-	-	-	-	-	-	-	-	-	https://redren.in/	
73	Reliance Industries Limited	Gujarat	-	10	-	10	-	10	-	-	-	-	-	https://www.ril.com/	
74	ReNew Power	Rajasthan	2.1	3	-	-	-	-	-	-	-	-	-	https://renewpower.in/utility-scale-solar/	
75	ReNew Power	Gujarat	1.2	3	1.1	2	-	-	-	-	-	-	-	-	

No.	Company Name	State / Country	 Module		 Cell		 Wafer		 Ingot		 Polysilicon		 MGS	Website	Email address
			GWp		GWp		GWp		GWp		GWp		Metric Tonnes		
			2024	2027	2024	2027	2024	2027	2024	2027	2024	2027	2024		
76	RenewSys India	Telangana	0.4	0.4	0.13	0.13	-	-	-	-	-	-	-	https://www.renewsysworld.com/	
77	RenewSys India	Maharashtra	0.565	1.565	-	-	-	-	-	-	-	-	-	https://www.renewsysworld.com/	
78	RenewSys India	Telangana	0.75	0.75	-	-	-	-	-	-	-	-	-	https://www.renewsysworld.com/	
79	Rhine Solar	Haryana	0.07	0.07	-	-	-	-	-	-	-	-	-	https://rhinesolar.in/	
80	Ritika	Rajasthan	0.04	0.04	-	-	-	-	-	-	-	-	-	https://www.ritikasytems.in/	
81	Saatvik Green Energy	Haryana	1	1.5	-	-	-	-	-	-	-	-	-	https://saatvikgroup.com/	
82	Saatvik Green Energy	Gujarat	1.2	1.5	-	-	-	-	-	-	-	-	-	-	
83	SAEL Solar	Punjab	0.117	0.117	-	-	-	-	-	-	-	-	-	https://saelenergy.com/	
84	Sahaj Solar	Gujarat	0.1	0.1	-	-	-	-	-	-	-	-	-	https://sahajsolar.com/	
85	Sanelite Solar	Gujarat	0.02	0.02	-	-	-	-	-	-	-	-	-	https://www.sanelitesolar.com/	
86	SASA Energy	Gujarat	0.091	0.091	-	-	-	-	-	-	-	-	-	https://www.sasaenergy.com/	
87	Shanti Solar	Odisha	0.2	0.25	-	-	-	-	-	-	-	-	-	https://shantisolarsystem.com/	
88	Shirdi Sai Electrical	/	0.5	10	-	10	-	-	-	-	-	-	-	https://ssel.in/tag/solar/	
89	Shivam Photovoltaics	Gujarat	0.05	0.05	-	-	-	-	-	-	-	-	-	https://www.spvpl.com/	
90	Sirius Solar Energy Systems	Telangana	0.05	0.05	-	-	-	-	-	-	-	-	-	https://siriusolarenergy.in/	
91	Snam Abrasives	Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	https://snamabrasivesltd.com/	
92	Solarium Green Energy	Gujarat	0.1	0.1	-	-	-	-	-	-	-	-	-	https://solariumenergy.in/	
93	Solex Energy	Gujarat	0.6	1.2	-	-	-	-	-	-	-	-	-	https://solex.in/	
94	Sova Solar	West Bengal	0.85	1	-	-	-	-	-	-	-	-	-	https://sovasolar.com/	
95	Spark Solar Technologies	Maharashtra	0.042	0.042	-	-	-	-	-	-	-	-	-	https://www.sparksolar.in/	
96	Sri Savtir Solar	Telangana	0.25	0.25	-	-	-	-	-	-	-	-	-	https://www.srisavitr solar.com/	
97	Sunbond Energy	Gujarat	0.175	0.175	-	-	-	-	-	-	-	-	-	https://sunbondenergy.com/	
98	SunField Energy	Hyderabad	0.04	0.04	-	-	-	-	-	-	-	-	-	http://www.sunfield.in/	
99	Surana Solar	Telangana	0.25	0.5	-	-	-	-	-	-	-	-	-	-	
100	Suryakamal Energy	Gujarat	0.027	0.027	-	-	-	-	-	-	-	-	-	https://www.suryakamalinfra.com/	

[illegible]



ARE YOU A SOLAR MANUFACTURER?

In our next edition of the India Solar Supply Chain Map, we aim at listing how procurement stakeholders can contact each factory.

Do not hesitate to reach out at contact@sinovoltaics.com so we can list your contact details.

Also, if your solar manufacturing project is not listed, or has been updated, please contact us and share your latest ambitions. We will include it in our next release.

SOURCES

The report presents data compiled from various sources, including publications, market reports, manufacturer press releases, and Sinovoltaics' direct relationships with manufacturers. We extend our gratitude to these valuable data contributors.

PV Magazine New Releases

PV Tech News Releases

LinkedIn Posts

Company Websites

<https://www.enfsolar.com/directory/panel/monocrystalline?country=187>

https://www.solarfeeds.com/?catid=60&country=United%20Kingdom&supplied_project=Austria&capacity=52

Call with manufacturers

[https://finance.yahoo.com/news/16-largest-silicon-producers-world-212541541.html?guccounter=1&guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2xILmNvbS8&guce_referrer_sig=AQAAAJhloJ-eDh0MkkSZ6fuAX6Xt7Xs0LSLx84lsCJmupl_mfZsHGHcFXByXISwR2-](https://finance.yahoo.com/news/16-largest-silicon-producers-world-212541541.html?guccounter=1&guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2xILmNvbS8&guce_referrer_sig=AQAAAJhloJ-eDh0MkkSZ6fuAX6Xt7Xs0LSLx84lsCJmupl_mfZsHGHcFXByXISwR2-R4T9CG65hibs9X8vGuZfCwKGtiJFQLtqfdsgGySw75TTdtloCfXBE2hoEB24mwVlyP4Cd_1y_AGbLV2Bv61NvfkEgujZKTN9X3tgk17DgSRP-w)

[R4T9CG65hibs9X8vGuZfCwKGtiJFQLtqfdsgGySw75TTdtloCfXBE2hoEB24mwVlyP4Cd_1y_AGbLV2Bv61NvfkEgujZKTN9X3tgk17DgSRP-w](https://www.linkedin.com/pulse/metallurgical-grade-silicon-metal-market-5qbf/)

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