

Company	HQ/Company origins	City	State	Current Capacity (MW)	Expansion Amount (MW)	Type	Status	Expansion status	Address
Auxin Solar (OEM)*	USA	San Jose	California	150		Silicon	Unknown		6835 Via Del Oro, San Jose, CA 95119
Canadian Solar	Canada/China	Mesquite	Texas	5,000		Silicon	Ramping to full capacity		3000 Skyline Dr, Mesquite, TX 75149
Crossroads Solar	USA	South Bend	Indiana	30		Silicon	Producing		1901 N Bendix Dr, South Bend, IN 46628
First Solar 1	USA	Perrysburg	Ohio	600		CdTe thin-film	Producing		28101 Cedar Park Blvd, Perrysburg, OH 43551
First Solar 2	USA	Lake Township	Ohio	2,400	900	CdTe thin-film	Producing	Expansion underway	28380 Tracy Rd, Walbridge, OH 43465
First Solar 3	USA	Lake Township	Ohio	3,300		CdTe thin-film	Producing		28380 Tracy Rd, Walbridge, OH 43465
GAF Energy 1	USA	San Jose	California	50		Silicon (solar shingles)	Producing		5981 Optical Ct, San Jose, CA 95138
GAF Energy 2	USA	Georgetown	Texas	250		Silicon (solar shingles)	Producing		110 SE Inner Loop, Georgetown, TX 78626
Heliene 1	Canada	Mountain Iron	Minnesota	300		Silicon	Producing		8787 Silicon Way, Mountain Iron, MN 55768
Heliene 2	Canada	Mountain Iron	Minnesota	500		Silicon	Producing		8787 Silicon Way, Mountain Iron, MN 55768
Illuminate USA (LONGi)	China	Pataskala	Ohio	5,000		Silicon	Ramping to full capacity		3600 Etna Pkwy, Etna, OH 43062
JinkoSolar	China	Jacksonville	Florida	400	1,600	Silicon	Producing	Expansion underway	4660 POW-MIA Memorial Pkwy, Jacksonville, FL, 32099
Meyer Burger	Switzerland	Goodyear	Arizona	2,000		Silicon	Ramping to full capacity		1685 S Litchfield Rd, Goodyear, AZ 85338
Mission Solar	USA	San Antonio	Texas	200	800	Silicon	Producing	New-build under construction / expansion pushed to 2025	8303 S New Braunfels Ave, San Antonio, TX 78235
Qcells 1	South Korea	Dalton	Georgia	1,700		Silicon	Producing		300 Nexus Dr, Dalton, GA 30721
Qcells 2	South Korea	Dalton	Georgia	1,400		Silicon	Producing		300 Nexus Dr, Dalton, GA 30721
Qcells 3	South Korea	Dalton	Georgia	2,000		Silicon	Producing		300 Nexus Dr, Dalton, GA 30721
Qcells 4	South Korea	Cartersville	Georgia	3,300		Silicon	Ramping to full capacity		251 Great Valley Pkwy, White, GA 30184
Silfab Solar	Canada	Burlington	Washington	800		Silicon	Producing		1770 Port Dr, Burlington, WA 98233
Sinotec (OEM)*	USA	City of Industry	California	300		Silicon	Producing		17055 Gale Ave, City of Industry, CA 91745
Sirius PV (Elin Energy)	Turkey	Brookshire	Texas	2,000		Silicon	Ramping to full capacity		2270 Twinwood Pkwy, Brookshire, TX 77423
Solar4America	USA	Sacramento	California	1,300	1,100	Silicon	Producing		4801 Urbani Ave, McClellan Park, CA 95652
SunSpark/SolarMax (OEM)*	USA	Riverside	California	250		Silicon	Producing		3080 12th St, Riverside, CA 92507
SunTegra	USA	Binghamton	New York	10		Silicon (solar shingles)	Producing		27 Link Dr, Binghamton, NY 13904

Toledo Solar	USA	Perrysburg	Ohio	100		CdTe thin-film	Unknown		1775 Progress Dr, Perrysburg, OH 43551
<i>Data collected by Solar Power World</i>									

Company	HQ/Company origins	City	State	Expected Capacity (MW)	Type	General Status	Status	Expected start date	Address
3SUN (Enel)	USA	Inola	Oklahoma	3,000	Silicon	Announced	New-build site chosen; Unknown timeline	Unknown	Within Tulsa Port of Inola: 36°07'06.2"N 95°33'38.0"W
Bila Solar	Singapore/China	Indianapolis	Indiana	1,000	Silicon	Announced	Building chosen	mid-2024	1249 White River Pkwy E Dr., Indianapolis, IN 46225
Boviet Solar	Vietnam	Greenville	North Carolina	2,000	Silicon	Announced	Building chosen	2025	1125 Sugg Pkwy, Greenville, NC 27834
Convalt Energy	USA	Watertown	New York	2,300	Silicon	Announced	New-build under construction	unknown	Near Watertown International Airport: 22529 Airport Dr, Dexter, NY 13634
First Solar 4	USA	Decatur	Alabama	3,500	CdTe thin-film	Under Construction	New-build under construction	2025	Within Mallard Fox Industrial Park: Mallard Fox Dr NW, Decatur, AL 35601
First Solar 5	USA	New Iberia	Louisiana	3,500	CdTe thin-film	Under construction	New-build under construction	2026	Near Acadiana Regional Airport: 1404 Hangar Dr, New Iberia, LA 70560
Heliene	Canada	Minneapolis	Minnesota	1,000	Silicon	Announced	Unknown	Unknown	
Hounen Solar	China	Orangeburg	South Carolina	1,000	Silicon	Announced	Building chosen	2024	145 Millenium Dr, Orangeburg, SC 29115
Imperial Star Solar	China/Cambodia	Tomball	Texas	1,500	Silicon	Announced	Building chosen	mid-2024	19200 Hamish Rd, Tomball, TX 77377
JA Solar	China	Phoenix	Arizona	2,000	Silicon	Under construction	New-build under construction	2024	1975 S. 99th Avenue, Phoenix, AZ 85353
Maxeon Solar Technologies	Singapore	Albuquerque	New Mexico	3,500	Silicon	Announced	New-build site chosen	2025	Within Mesa del Sol community, Albuquerque, NM 87106
NE Solar/ZNShine	Cambodia	Phoenix	Arizona	2,000	Silicon	Under Construction	Building chosen	mid-2024	
ReCreate (Recom)	Italy	Portland	Tennessee	5,000	Silicon	Announced	Building chosen	unknown	102 Western Drive, Portland TN 37148
Runergy	China	Huntsville	Alabama	2,000	Silicon	Announced	Building chosen	mid-2024	4905 Moores Mill Rd, Huntsville, AL 35811
SEG Solar	USA	Houston	Texas	2,000	Silicon	Announced	Construction ongoing	mid-2024	10625 Telge Road, Houston, TX 77095
Silfab Solar	Canada	Fort Mill	South Carolina	1,200	Silicon	Announced	Building chosen	end-2024	7149 Logistics Ln Fort Mill, SC 29715
Solar4America	USA	Sumter	South Carolina	1,500	Silicon	Announced	Unknown	mid-2024	1160 Clipper Rd. Sumter, SC 29154
Trina Solar	China	Wilmer	Texas	5,000	Silicon	Under construction	New-build under construction	end-2024	1200 N Sunrise Road, Wilmer, TX 75134
VSK Energy (Vikram Solar)	India	Brighton	Colorado	2,000	Silicon	Under Construction	New-build under construction	2025	22250 E I-76 Frontage Rd, Brighton, CO 80603
Waaree	India	Brookshire	Texas	3,000	Silicon	Under Construction	Building chosen	end-2024	2439 Discovery Hills Parkway, Brookshire, TX 77423

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Company	City	State	Current Capacity (MW)	Expected Capacity (MW)	Silicon Product Type				General Status	Status	Expected start date	Address
					Poly-silicon	Ingot	Wafer	Cell				
Hemlock	Hemlock	Michigan			x				Producing	Unknown how much polysilicon is being produced for solar	Running	12334 Geddes Rd, Hemlock, MI 48626
Highland Materials	Surgoinville	Tennessee			x				Under construction	Unknown; received IRA funding	Unknown	
REC Silicon	Moses Lake	Washington			x				Producing	Entirety of solar polysilicon production going to Qcells	Running	3322 Rd N NE, Moses Lake, WA 98837
Wacker	Charleston	Tennessee			x				Producing	Unknown how much polysilicon is being produced for solar	Running	553 NW Wacker Blvd, Charleston, TN 37310
3Sun (Enel)	Inola	Oklahoma		3,000				x	Announced	New-build site chosen; Unknown timeline	Unknown	Within Tulsa Port of Inola: 36°07'06.2"N 95°33'38.0"W
Boviet Solar	Greenville	North Carolina		2,000				x	Announced	Building chosen	end-2027	1125 Sugg Pkwy, Greenville, NC 27834
Canadian Solar	Jeffersonville	Indiana		5,000				x	Announced	New-build site chosen	2025	300 Corporate Dr Suite 300, Jeffersonville, IN 47130
Convalt Energy	Watertown	New York				x	x	x	Under consideration	New-build site chosen	Unknown	Near Watertown International Airport: 22529 Airport Dr, Dexter, NY 13634
Heliene	Minneapolis	Minnesota		1,500				x	Announced	Unknown	Unknown	
Maxeon Solar Technologies	Albuquerque	New Mexico		3,500				x	Announced	New-build site chosen	2025	Within Mesa del Sol community, Albuquerque, NM 87106
Meyer Burger	Colorado Springs	Colorado		2,000				x	Under Construction	Building chosen	end-2024	1615 Garden of the Gods Rd, Colorado Springs, CO 80907
NexWafe	?	?		6,000				x	Under consideration	Under consideration		
NorSun	Tulsa	Oklahoma		5,000		x	x		Under Construction	New-build site chosen	2026	Near Tulsa International Airport: 36°11'23.9"N 95°51'58.9"W
Qcells	Cartersville	Georgia		3,300		x	x	x	Under Construction	Panel lines functioning, cell and wafers still under construction	end-2024	251 Great Valley Pkwy, White, GA 30184
ReCreate (Recom)	Portland	Tennessee		5,000				x	Announced	Building chosen		102 Western Drive, Portland TN 37148
Silfab	Fort Mill	South Carolina		1,000				x	Under Construction	Building chosen	end-2024	7149 Logistics Ln Fort Mill, SC 29715
SEM Wafertech (Solar4America)	Sumter	South Carolina		1,500				x	Under consideration	Under consideration		
SPI Energy (Solar4America)	Sumter	South Carolina		1,500				x	Announced	Building ready, awaiting equipment	mid-2024	1160 Clipper Rd. Sumter, SC 29154
Suniva	Norcross	Georgia		1,000				x	Announced	Existing building being upgraded	mid-2024	5765 Peachtree Industrial Boulevard Norcross, GA 30092
VSK Energy (Vikram Solar)	?	?		4,000		x	x	x	Under consideration	Under consideration	end-2025	
Waaree	Brookshire	Texas		3,000				x	Under consideration	Under consideration	end-2025	2439 Discovery Hills Parkway, Brookshire, TX 77423

Data collected by [Solar Power World](#)

Company	HQ/Company origins	Suggested City	Suggested State	Suggested Capacity (MW)	Type	Announcement source
Akcome (Translucent Energy)	China			1,200	Silicon	SPW
Energate	Turkey	West Valley	Utah	500	Silicon	Intersolar
Mitrex	Canada			2,500	Silicon (and BIPV)	SPW
Panasol/Renergia	UK	College Station	Texas	500	Silicon	PR
Phono Solar	China		South Carolina	1,000	Silicon	Intersolar
Rayzon Solar (Adion Solar)	India	Atlanta	Georgia	1,000	Silicon	SPW
Saatvik	India			1,500	Silicon	SPW
Solar Depot/ReneSola	China	Jacksonville	Arkansas		Silicon	Intersolar
Solarever USA	China/Mexico		South Carolina		Silicon	Intersolar
SolarLink	China	North Las Vegas	Nevada	2,000	Silicon	Intersolar
Thornova	China/USA		Texas		Silicon	PR
Toenergy	China	Sacramento	California	500	Silicon	Intersolar
<i>Data collected by Solar Power World</i>						

Company	Location	Announced Capacity (MW)	Solar Product	Cancellation date	Source
CubicPV	n/a	10,000	Wafers	February 2024	SPW
<i>Data collected by Solar Power World</i>					

Company	City	State	Product	Status	Source
Ice Industries	Bowling Green	Ohio	Back rails	Producing	SPW
Endurans Solar	Nashua	New Hampshire	Backsheets	Producing	SPW
H.B. Fuller	Bellevue	Ohio	EVA sheets	Producing	SPW
Hanwha Advanced Materials	Cartersville	Georgia	EVA sheets	Under construction	SPW
NSG Group	Rossford	Ohio	Glass	Under construction	SPW
NSG Group	Luckey	Ohio	Glass	Producing	SPW
Origami Solar		Ohio, Texas	Steel frames	2025	SPW
SolarCycle	Cedartown	Georgia	Glass	Under construction	SPW
Vitro	Cochranton	Pennsylvania	Glass	Under construction	SPW
Amphenol	Mesa	Arizona	Junction Boxes	Producing	SPW
Staubli	Windsor	California	Connectors, junction boxes	Producing	SPW
Staubli	Duncan	South Carolina	Connectors, junction boxes	Producing	SPW
<i>Data collected by Solar Power World</i>					