

| Company | HQ/Company origins | City | State | Current Capacity (MW) | Expansion Amount (MW) | Type | Status | Expansion status | Address |
|-------------------------------------|--------------------|------------------|----------------|-----------------------|-----------------------|--------------------------|--------------------------|----------------------------------|---|
| AMPS Solar USA (previously Sinotec) | USA | City of Industry | California | 600 | | Silicon | Producing | | 17055 Gale Ave, City of Industry, CA 91745 |
| 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 | 3,300 | | CdTe thin-film | Producing | | 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 |
| First Solar 4 | USA | Trinity | Alabama | 3,500 | | CdTe thin-film | Ramping to full capacity | | 1 First Solar Way, Trinity, AL 35673 |
| FREYR (Trina Solar) | Norway/China | Wilmer | Texas | 5,000 | | Silicon | Ramping to full capacity | | 1200 N Sunrise Road, Wilmer, TX 75134 |
| 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 |
| Hounen Solar (OEM)* | China | Orangeburg | South Carolina | 1,000 | | Silicon | Producing | | 145 Millenium Dr, Orangeburg, SC 29115 |
| Illuminate USA (LONGi) | China | Pataskala | Ohio | 5,000 | | Silicon | Ramping to full capacity | | 3600 Etna Pkwy, Etna, OH 43062 |
| Imperial Star Solar | China/Cambodia | Tomball | Texas | 2,000 | | Silicon | Ramping to full capacity | | 19200 Hamish Rd, Tomball, TX 77377 |
| JinkoSolar | China | Jacksonville | Florida | 400 | 1,600 | Silicon | Producing | Expansion underway | 4660 POW-MIA Memorial Pkwy, Jacksonville, FL, 32099 |
| Meyer Burger | Switzerland | Goodyear | Arizona | 1,400 | | Silicon | Ramping to full capacity | | 1685 S Litchfield Rd, Goodyear, AZ 85338 |
| Mission Solar | USA | San Antonio | Texas | 200 | 800 | Silicon | Producing | Expansion pushed | 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 |
| Runergy | China | Huntsville | Alabama | 2,000 | | Silicon | Ramping to full capacity | | 4905 Moores Mill Rd, Huntsville, AL 35811 |

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|---|--------|------------|------------|-------|--|--------------------------|--------------------------|--|--|
| SEG Solar | USA | Houston | Texas | 2,000 | | Silicon | Ramping to full capacity | | 10625 Telge Road, Houston, TX 77095 |
| Silfab Solar | Canada | Burlington | Washington | 1,100 | | Silicon | Producing | | 1770 Port Dr, Burlington, WA 98233 |
| 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 | | 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 |
| Waaree | India | Brookshire | Texas | 3,000 | | Silicon | Ramping to full capacity | | 2439 Discovery Hills Parkway, Brookshire, TX 77423 |
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|-------------------------------|--------------------|---------------|----------------|------------------------|----------------|------------------------------------|------------------------------|---------------------|--|
| Bila Solar | USA/Singapore | Indianapolis | Indiana | 1,000 | Silicon | Announced | Waiting for full start | 2025 | 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 |
| First Solar 5 | USA | New Iberia | Louisiana | 3,500 | CdTe thin-film | Under construction | New-build under construction | 2025 | Near Acadiana Regional Airport: 1404 Hangar Dr, New Iberia, LA 70560 |
| Heliene 3 | Canada | Rogers | Minnesota | 550 | Silicon | Announced | Building chosen | Unknown | 13225 Brockton Ln, Rogers, MN 55374 |
| JA Solar | China | Phoenix | Arizona | 2,000 | Silicon | Under construction | New-build under construction | mid-2025 | 1975 S. 99th Avenue, Phoenix, AZ 85353 |
| Maxeon Solar Technologies | Singapore | Albuquerque | New Mexico | 2,000 | Silicon | Announced | Building chosen | 2026 | |
| NE Solar (Paluo Solar Energy) | Cambodia | Phoenix | Arizona | 2,000 | Silicon | Under Construction | Unknown | 2025 | 3431 S Crismon Road Mesa, AZ, 85212 |
| NuVision Solar | USA | Riviera Beach | Florida | 2,500 | Silicon | Unknown | Building chosen | Unknown | West Palm Beach, FL |
| ReCreate (Recom) | Italy | Portland | Tennessee | 5,000 | Silicon | Announced | Building chosen | mid-2025 | 102 Western Drive, Portland TN 37148 |
| Silfab Solar | Canada | Fort Mill | South Carolina | 1,300 | Silicon | Announced | Building chosen | 2025 | 7149 Logistics Ln Fort Mill, SC 29715 |
| Solar4America | USA | Sumter | South Carolina | 1,500 | Silicon | Announced | Unknown | Unknown | 1160 Clipper Rd. Sumter, SC 29154 |
| Solarix | USA | Forest | Virginia | 1,200 | Silicon | Announced | Building chosen | end-2025 | 2150 Perrowville Rd, Forest, VA 24551 |
| Solx (OEM)* | USA | Aguadilla | Puerto Rico | 1,200 | Silicon | Announced | Building chosen | mid-2025 | Highway 110 N KM 5.1, Aguadilla, 00690, PR |
| Toyo/VSun | Japan | Humble | Texas | 2,500 | Silicon | Announced | Building chosen | mid-2025 | 6115 Greens Rd Humble, TX 77396 |

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| Company | OEM | City | State | Type |
|--|--------------|------------|----------------|---------|
| Axitec | Hounen Solar | Orangeburg | South Carolina | Silicon |
| C&D Clean Energy | Hounen Solar | Orangeburg | South Carolina | Silicon |
| Phono Solar | Hounen Solar | Orangeburg | South Carolina | Silicon |
| Thornova Solar | Hounen Solar | Orangeburg | South Carolina | Silicon |
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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 | Surgoinsville | Tennessee | | | x | | | | Under construction | Unknown; received IRA funding | Unknown | |
| REC Silicon | Moses Lake | Washington | | | x | | | | Shut down | Plant shut down | Closed | 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 |
| Boviet Solar | Greenville | North Carolina | | 2,000 | | | | x | Announced | Ground broken | 2026 | 1125 Sugg Pkwy, Greenville, NC 27834 |
| Canadian Solar | Jeffersonville | Indiana | | 5,000 | | | | x | Announced | New-build under construction | 2025 | 300 Corporate Dr Suite 300, Jeffersonville, IN 47130 |
| Ebon Solar | Albuquerque | New Mexico | | | | | | x | Announced | New-build site chosen | Unknown | Within Mesa del Sol community, Albuquerque, NM 87106 |
| ES Foundry | Greenwood | South Carolina | 3,000 | | | | | x | Ramping | Ramping to full capacity | January 2025 | 211 Puckett Ferry Road Greenwood, SC, 29649 |
| FREYR (Trina Solar) | | | | 5,000 | | | | x | Announced | Unknown | Unknown | |
| Hybrid Cell Technology (NuVision Solar) | Riviera | Florida | | 2,500 | | | | x | Unknown | Building chosen | Unknown | West Palm Beach, FL |
| 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 | 2025 | 251 Great Valley Pkwy, White, GA 30184 |
| ReCreate (Recom) | Portland | Tennessee | | 5,000 | | | | x | Announced | May build new building | Unknown | 102 Western Drive, Portland TN 37148 |
| Sifab | Fort Mill | South Carolina | | 1,000 | | | | x | Under Construction | Building chosen | 2025 | 7149 Logistics Ln Fort Mill, SC 29715 |
| Solar Technology (Corning) | Hemlock | Michigan | | | | x | x | | Announced | Unknown | Unknown | near Geddes Rd, Hemlock, MI 48626 |
| Suniva | Norcross | Georgia | 1,000 | | | | | x | Producing | Ramping to full capacity | Running | 5765 Peachtree Industrial Boulevard Norcross, GA 30092 |

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|---|--------------------|-----------------|-----------------|-------------------------|---------|-------------------------------|
| 3SUN (Enel) | USA | Inola | Oklahoma | 3,000 | Silicon | Plans stalled |
| CIG Solar Manufacturing (CSM) | USA | College Station | Texas | 1,000 | Silicon | PR |
| Convalt Energy | USA | Watertown | New York | 2,300 | Silicon | PR |
| Energate | Turkey | West Valley | Utah | 500 | Silicon | Intersolar |
| Heliene/Premier Energies | Canada/India | | Minnesota | 1,000 | Silicon | Plans on hold |
| SolarLink | China | North Las Vegas | Nevada | 2,000 | Silicon | Intersolar |
| VSK Energy (Vikram Solar) | India | Brighton | Colorado | 2,000 | Silicon | PR |
| <i>Data collected by Solar Power World.</i> | | | | | | |

| Company | City | State | Product | Status | Source |
|---|---------------|----------------|-------------------------------|---------------------|---------------------|
| Amphenol | Mesa | Arizona | Junction Boxes | Producing | SPW |
| Canadian Premium Sand | | | Glass | Under consideration | SPW |
| CZT Energy USA | Sealy | Texas | Aluminum frames | 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 |
| Ice Industries | Bowling Green | Ohio | Back rails | Producing | SPW |
| Ice Industries | Lacassine | Louisiana | Back rails | 2025 | SPW |
| NSG Group | Rossford | Ohio | Glass | Producing | SPW |
| NSG Group | Luckey | Ohio | Glass | Producing | SPW |
| Origami Solar | | Ohio, Texas | Steel frames | 2025 | SPW |
| SolarCycle | Cedartown | Georgia | Glass | Under construction | SPW |
| Staubli | Windsor | California | Connectors, junction boxes | Producing | SPW |
| Staubli | Duncan | South Carolina | Connectors, junction boxes | Producing | SPW |
| Vitro | Cochranton | Pennsylvania | Glass | Under construction | SPW |
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