

U.S. Solar Manufacturing Boom



7 GW >>> 42+ GW

solar capacity the U.S. could manufacture in 2021

public announcements of domestic solar manufacturing as of October 2022



Polysilicon

Current Capacity: 40,000 metric tons (14 GW/year)

New Capacity: Mothballed facility in Washington State being reopened (20 GW total)



Ingot/Wafer

Current Capacity: 0 GW

New Capacity: >13.3 GW announced*

Companies: CubicPV, Qcells, Other



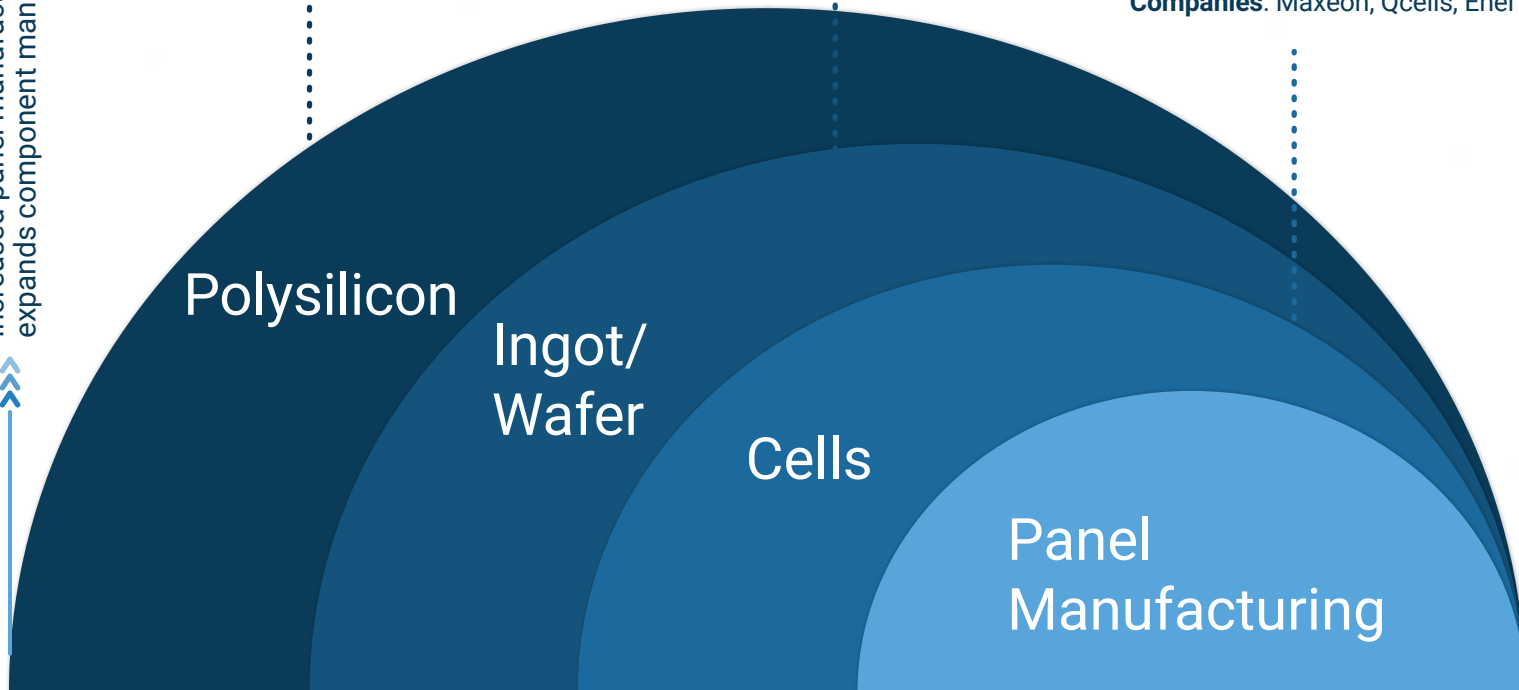
Cells

Current Capacity: 0 GW

New Capacity: >10 GW announced*

Companies: Moxeon, Qcells, Enel

Increased panel manufacturing expands component manufacturing



SOLAR MODULE SUPPLY CHAIN



| | Polysilicon | Ingot & Wafer | Cell | Module |
|---------------------------------|-------------|---------------|-------------|-------------|
| Factory Capacity | 20,000 MT | 2 GW | 2 GW | 2 GW |
| Capital Expenditures (millions) | \$800+ | \$200+ | \$200+ | \$160+ |
| Build Time | 3-4 years | 2-3 years | 1.5-3 years | 1.5-3 years |

*another 11 GW of planned thin film solar manufacturing doesn't require the use of cells, ingots or wafers

Other Solar Manufacturing

Domestic production for other components of the solar supply chain is also expanding exponentially



Recent Component Factory Announcements

Former Bethlehem Steel Facility Reopens to Make Solar Trackers



OMCO Solar Expands Indiana Manufacturing Facility



Enphase Announces U.S. Inverter Manufacturing Plans for 2023

