### U.S. Solar Manufacturing Boom

**7 GW**  
Solar capacity the U.S. could manufacture in 2021

**42+ GW**  
Public announcements of domestic solar manufacturing as of October 2022

### SOLAR MODULE SUPPLY CHAIN

<table>
<thead>
<tr>
<th>Layer</th>
<th>Polysilicon</th>
<th>Ingot &amp; Wafer</th>
<th>Cell</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory Capacity</td>
<td>20,000 MT</td>
<td>2 GW</td>
<td>2 GW</td>
<td>2 GW</td>
</tr>
<tr>
<td>Capital Expenditures (millions)</td>
<td>$800+</td>
<td>$200+</td>
<td>$200+</td>
<td>$160+</td>
</tr>
<tr>
<td>Build Time</td>
<td>3-4 years</td>
<td>2-3 years</td>
<td>1.5-3 years</td>
<td>1.5-3 years</td>
</tr>
</tbody>
</table>

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

---

#### 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:** Maxeon, Qcells, Enel

---

*Ingot/Wafer expands component manufacturing.*

*Increased panel manufacturing expands component manufacturing.*

---

*Another 11 GW of planned thin film solar manufacturing doesn’t require the use of cells, ingots or wafers*
U.S. Solar Manufacturing Boom

Other Solar Manufacturing

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

- Trackers
- Inverters
- Racking

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