

Downstream products of solar modules





Overview

With this map, you can filter by product type and facility status, as well as create a drive-time radius from any map point to explore geographic distances to potential customers or suppliers. To view this ma.

What is the role of upstream and downstream solar technologies?

The development of upstream (e.g., research and development, component supply) and downstream (e.g., sales and distribution) capacities of solar technologies in the EU is, therefore, a key for a competitive local expansion of solar energy production (European Commission, 2022).

Does Europe's solar manufacturing sector favour downstream products?

Europe's solar manufacturing sector heavily favours downstream products such as cells and modules, according to SolarPower Europe.

What is a PV module supply chain?

The module supply chain includes polysilicon, ingots, wafers, photovoltaic (PV) cells, modules, glass, backsheets, PV wire, encapsulants and more. In the PV module supply chain, it can take years to build new facilities.

How does PV supply chain impact the carbon benefits of solar projects?

As discussed in Section 4.2, the carbon footprint of PV modules is dominated by upstream or embodied carbon related to its manufacturing. Therefore, the differences in PV supply chain emissions can have a significant influence on the carbon benefits of solar projects.



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[Downstream Activities: Project Development, Distribution, ...](#)

Downstream activities in solar are project development, distribution and installation. With low capital requirements, the industry is fragmented. Most value is created in project development.

[Global solar photovoltaic industry network dynamics ...](#)

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