



First Solar Manufacturing Facility

Frankfurt (Oder), Germany

Developer:	BELECTRIC PV-Dachsysteme GmbH	
Size:	1.3MW (DC)	
Commissioned:	June, 2010	
Type:	Rooftop	
Site Area:	41,000m ²	
Output:	1.3 million kWh per year	
CO₂ Displacement:	875 metric tons	
Module Surface Area:	12,400m ²	
Modules Used:	Type:	FS-275 and 277
	Quantity:	~17,000
Angles:	Mounting Tilt:	10°
	Azimuth:	0°

Built in only four months, the 1.3 megawatt (MW) direct current (DC) solar power plant is located on the rooftop of the First Solar Frankfurt (Oder) manufacturing facility. The plant, developed by BELECTRIC PV-Dachsysteme GmbH, uses over 17,000 First Solar photovoltaic (PV) modules, generating about 1.3 million kilowatt-hours (kWh) of clean electricity per year. This is enough energy to power approximately 366 average local homes, displacing about 875 metric tons of carbon dioxide (CO₂) emissions per year.



Considering First Solar’s commitment to managing its product from raw material sourcing to end-of-life collection and recycling, the Frankfurt (Oder) rooftop solar power plant is a logical extension of this commitment, working to close the loop in the PV energy generation cycle, and helping Germany to shift energy production to renewable sources.



About First Solar

First Solar is a leading manufacturer of photovoltaic (PV) solar modules, and a premier provider of solar solutions. From raw material sourcing through end-of-life collection and recycling, First Solar is focused on creating value-driven renewable energy solutions that protect and enhance the environment.

First Solar’s PV systems are specifically designed to deliver clean, affordable, sustainable solar electricity on a large scale. They generate electricity with no air emissions, no waste production, and no water use, providing the smallest carbon footprint of any PV technology.

For More Information:

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