

The Global Solar Industry

October 2018



Solar electricity generation has seen a remarkable growth in the past years. Technology is developing rapidly, and manufacturers are increasingly able to offer solar technology at ever better prices. Carbon reduction commitments have also increased solar energy's proliferation.

Solar photovoltaics are probably the most benign method of power generation. They are silent, produce no emissions and use no fuel other than sunlight. The production of photovoltaics varies among manufacturers, but PV technology is based on silicon, the second most common element on the earth's surface. As used in PV modules, silicon is non-toxic.

Solar PV can provide electricity for many applications; for example, to drive water pumps for irrigation and drinking wells, or ventilation fans for air-cooling. Solar electricity generation is on the rise in the power generation sector, and NRG Expert's new *Global Solar Industry* intelligence product will give you the data and insights that are necessary to understand this growing market. We have researched the solar power generation market to produce an in-depth database and accompanying market research report that focuses on the generation using solar technology. This includes PV which is the focus of the report, but the database also presents solar thermal power generation. The report and database combine NRG Expert's research abilities with a keen understanding of the power generation landscape to give you a comprehensive look at the sector.

The Report outlines the structure of the solar PV industry; presenting definitions, the techniques, applications, the PV industry value chain, feedstocks, manufacturers and an overview of the renewable energy tariff and incentives and the role solar plays in this.

The Database contains information on over 60 countries providing, where known, the installed (nameplate) generation capacity for solar PV and solar thermal installations. The data is presented in an annex to the report and provided to you in a separate Microsoft® Excel® (.xlsx) workbook; for easy analysis and data manipulation.

Price: £1,010*

Product Code: NRGSPR3



Argentina

Annual Capacity by Fuel Type (MW)	1996	1997	1998	1999	2000
Solar PV		1.01	3.04	4.05	5.06
Solar Capacity as a % of total	0.00%	0.00%	0.01%	0.02%	0.02%
	2001	2002	2003	2004	2005
Solar PV	7.08	9.11	9.11	10.12	12.14
Solar Capacity as a % of total	0.03%	0.03%	0.03%	0.04%	0.04%
	2006	2007	2008	2009	2010
Solar PV	14.17	15.18	15.18	15.18	15.18
Solar Capacity as a % of total	0.05%	0.05%	0.05%	0.05%	0.05%
	2011	2012	2013	2014	2015
Solar PV	15.18	15.18	15.18	17.31	19.73
Solar Capacity as a % of total	0.05%	0.05%	0.04%	0.05%	0.05%
	2016	2017	2018	2019	2020
Solar PV	22.49	25.64	29.23	33.32	37.98
Solar Capacity as a % of total	0.06%	0.06%	0.07%	0.08%	0.09%
	2021	2022	2023	2024	2025
Solar PV	38.12	38.23	38.30	38.34	38.34
Solar Capacity as a % of total	0.09%	0.09%	0.09%	0.09%	0.09%
	2026	2027	2028	2029	2030
Solar PV	41.28	44.16	46.91	49.44	51.66
Solar Capacity as a % of total	0.09%	0.10%	0.10%	0.10%	0.11%

*Please note – Prices also available in US Dollars and Euro. VAT, where applicable, will be added.



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