

Statistic data on the German solar power (photovoltaic) industry



In this fact sheet you will find a summary of current data from the German photovoltaic industry.

Free film and photo material, images, press releases, solar-related information, etc.
www.solarwirtschaft.de/presse

Consumer information on technical and financing aspects of solar energy
www.solartechnikberater.de

For economic aspects which are not primarily related to the practical application of solar technology, we recommend visiting our website www.solarwirtschaft.de

For further questions, do not hesitate to contact us:
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Source

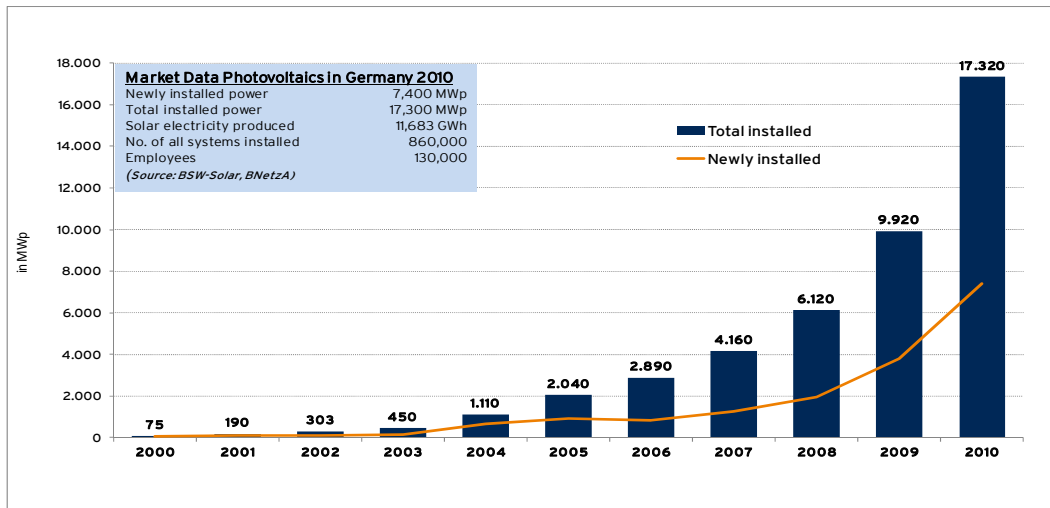
Unless otherwise stated: German Solar Industry Association (BSW-Solar)
 We would appreciate it if you cited "BSW-Solar/www.solarwirtschaft.de" as a source.

Photovoltaic (solar power) industry in Germany Profile in brief, as of end of 2010

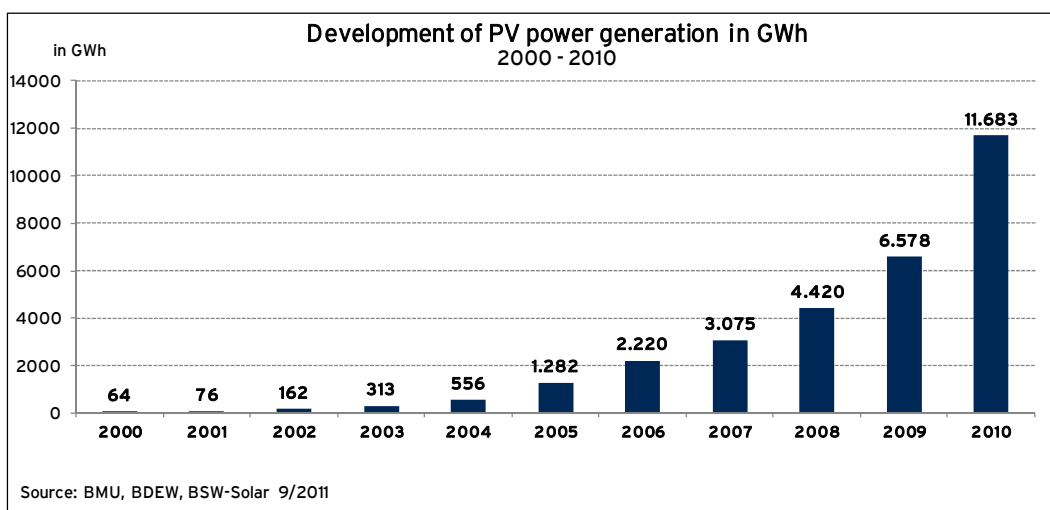
New photovoltaic (PV) capacity installed in Germany 2010	approx. 7,400 MWp	D
Total PV capacity installed in Germany 2010	approx. 17,300 MWp	D
Power generation through PV systems 2010	approx. 11,683 GWh	D
Total number of installed PV systems as of end of 2010	approx. 860,000	
Proportion of German gross power consumption 2010 / 2020*	2% / 10%	
CO ₂ savings in 2010	approx. 6.2 million t	D
Number of full-time jobs created by photovoltaic technology 2010*	approx. 130,000	
Number of photovoltaic companies (incl. installers and suppliers) of which are producers of cells, modules and other components	approx. 10,000 > 200	
Value added in Germany 2010*	approx. 10 billion €	
Economic benefit of photovoltaics until 2030*	56 to 75 billion €	
Export quota PV industry 2004 / 2010/ 2020*	approx. 14% /approx. 50% /approx. 80%	
Tax revenue through photovoltaic technology 2010*	1.5 billion €	

D = Diagram available at www.solarwirtschaft.de/medienvvertreter/infografiken or on this fact sheet
 * Forecast BSW-Solar

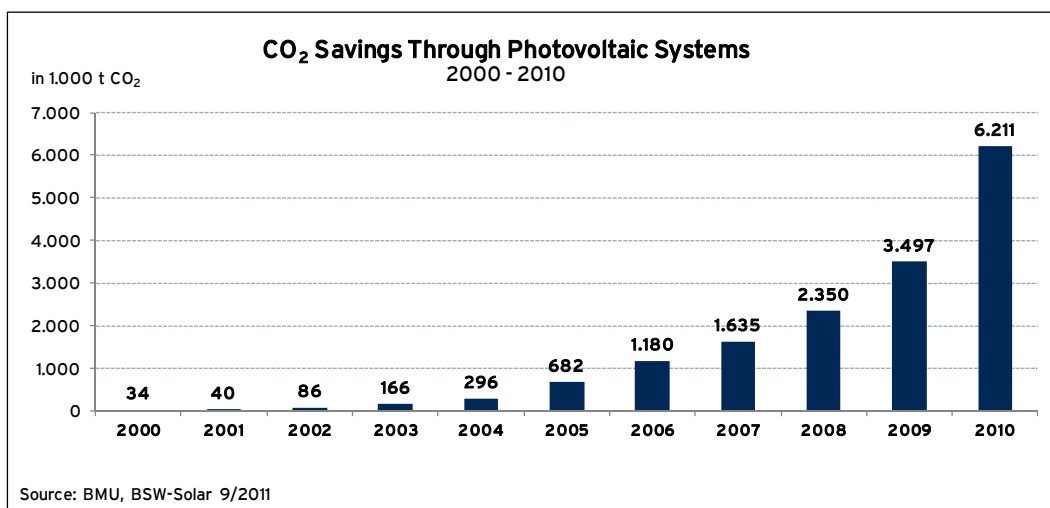
1) Solar power on the path to becoming a key pillar of sustainable energy supply in Germany



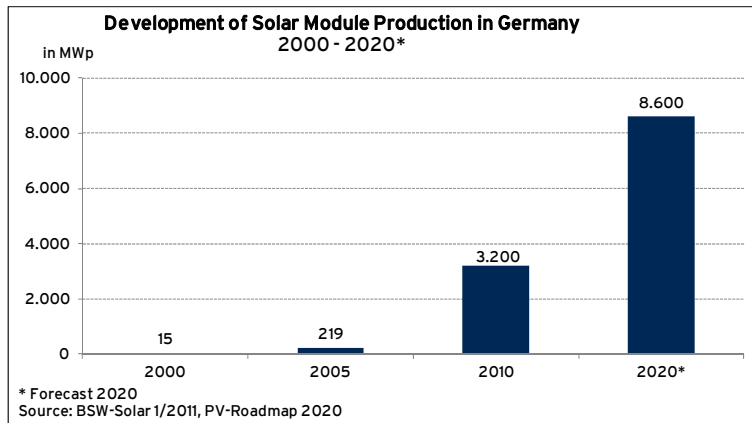
2) Solar power covers the annual electricity demand of over 3.4 million households



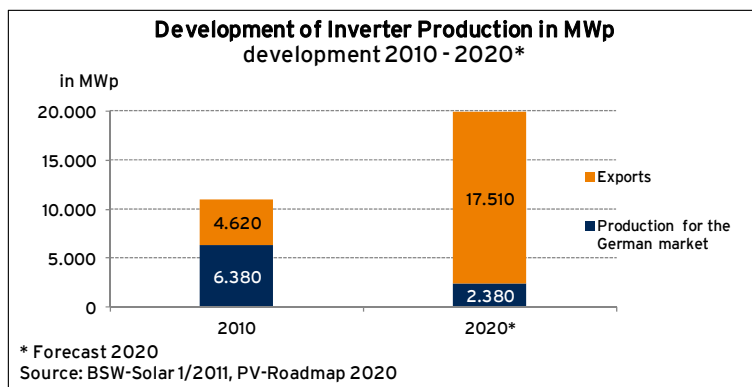
3) CO₂ Savings through photovoltaic systems



4) Germany will continue to grow as a production location



5) Inverter production in Germany to double



6) Approximately 98 percent of photovoltaic systems feed into the low voltage grid (status 2009)

Grid level	Distribution by system
01 (EHV)	0%
02 (EHV/HV)	0%
03 (HV)	<0.01%
04 (HV/MV)	<0.02%
05 (MV)	1.4%
06 (MV/LV)	0.7%
07 (LV)	97.9%

Source: Roland Berger/Prognos

EHV - Extra high voltage grid; HV - High voltage grid; MV - Medium voltage grid
LV - Low voltage grid

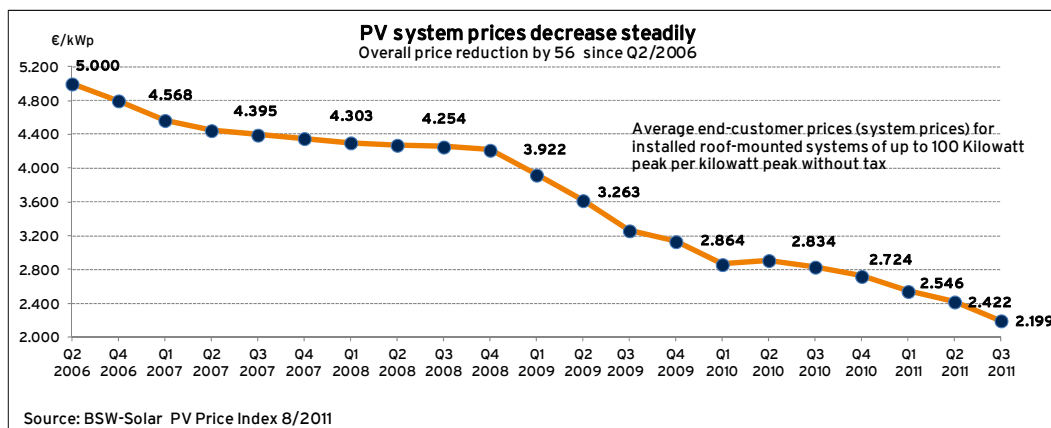
7) Photovoltaic technology brings Germany billions in tax revenues in 2010

Recipient	
Federal Government	519 million €
Federal States	511 million €
Municipalities	429 million €
total	1,459 million €

Source: Roland Berger/Prognos

Approx. 46 percent of all taxes are paid directly by PV producers, while 54 percent are indirect and induced tax effects; taken into account are fiscal effects of PV technology which result in tax revenue through PV production and PV installation.

8) PV price index - System prices are halved within 5 years



	Price [€/kWp]
Q2 2006	5.000
Q4 2006	4.800
Q1 2007	4.568
Q2 2007	4.448
Q3 2007	4.395
Q4 2007	4.354
Q1 2008	4.303
Q2 2008	4.275
Q3 2008	4.254
Q4 2008	4.216
Q1 2009	3.922
Q2 2009	3.620
Q3 2009	3.263
Q4 2009	3.135
Q1 2010	2.864
Q2 2010	2.912
Q3 2010	2.834
Q4 2010	2.724
Q1 2011	2.546
Q2 2011	2.422
Q3 2011	2.199