

Research status of photovoltaic bracket industry

Where is the photovoltaic (PV) market developing?

Figure 7. The photovoltaic (PV) market development in China, Germany, Japan and the USA from 1990 to 2017 (Data source: IEA. PVPS. National Survey Report of PV Power Applications). By the end of 2009, the cumulative PV installed capacity in China was only 300 MW.

How has fit policy influenced the growth of PV market in China?

Thus, the FiT policy has driven the rapid growth of the PV market in China. In 2015, "a Top Runner Program" was introduced to encourage Chinese PV companies to invest in PV R&D (IEC, 2018). With the expansion of the domestic PV market, the PV product capacity in China continues to grow.

How did the FIT policy affect the global PV market development?

We find that the FiT policy significantly affected the global PV market development. Germany introduced the FiT scheme in 1991, which drove the formation of the German PV market. The PV market continuously increased under a stable "EEG" in 2000. Since 2008, Germany has been the largest PV market.

How does the market affect PV installed capacity?

The conditions of the market often affect the PV installed capacity. Under the impact of the global financial crisis in 2008, the world economy fell into recession, and the investment and construction boom in PV caused by the high oil price in previous years also slowed down.

What factors affect the development of solar photovoltaic technology in China?

The depletion of traditional energy sources and severe environmental pollution are hindrances in meeting the increasing energy demands of the growing global population. Solar photovoltaic (PV) technology has been widely applied in China to replace traditional energy. The factors that affect the development of the PV industry in China are complex.

Where did photovoltaic market development and incentive policy take place?

Annual photovoltaic (PV) market development and incentive policy in China, Germany, Japan and the United States (Data source: IEA policy database). Except for the USA, all other three countries launched national-scale FiT schemes. Figure 10 shows the annual PV market and incentive policy in China, Germany, Japan, and the USA from 1990 to 2016.

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