

# Competitiveness of photovoltaic bracket enterprises

Can the competitiveness of Taiwan's solar photovoltaic industry be enhanced?

Previous studies have used a combination of Porter's diamond and DEMATEL models to explore how the competitiveness of Taiwan's solar photovoltaic industry can be enhanced based on interactions between industrial development factors (G. T. R. Lin, 2011). G. T. R.

# Is China's solar PV industry competitive?

Xie and Li (2012) and Sun (2017) analyzed the current trade situation of China's solar PV industry based on international market share, display competitiveness index, and trade specialization index and found that the international competitiveness of the industry has been increasing in recent years, but there is still a gap with the world power.

### How can China break through the bottleneck of solar PV industry?

In order to break through the bottleneck of the solar PV industry and further expand the scale of China's solar exports, China must pay attention to the development of relevant technologies and strive to achieve technological innovation, so as to maintain a competitive advantage in the broader world renewable energy market.

## 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.

### Why is China focusing more on solar photovoltaic (PV)?

The solar photovoltaic (PV) power is abundant, clean, and convenient and also has been considered as one of the most promising renewable energies [5,6]. Due to the ever-increasing energy and environmental pressures, China is switching to focus more on fostering the PV industry.

#### How did incentive policies affect solar PV development?

Platzer et al. (Platzer,2016) pointed out that the introduced incentive policies were the key factors to affecting the PV deployment and that they helped to initiate the early niche marketsin the United States. Since the 1990s,Japan and Germany have become the leading countries in solar PV development.



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