

# **The Solar Photovoltaic Module Industry in Energy Market**

**Xin Shi**

## **ABSTRACT**

We try to interpret a modified model regarding every solar panel manufacturer's market share in the competition of solar photovoltaic module industry and their contribution to levelized cost of solar electricity ( LCOEsolar ). Our calibrated model using the latest dataset of leading solar module manufacturers incorporates balance-of-system cost and thus extends the model derived by Unni Pillai and Jamison McLaughlin 2013. Also, we take individual manufacturer's performance into account when calculating levelized cost of solar electricity, which is a new point of view in research field.