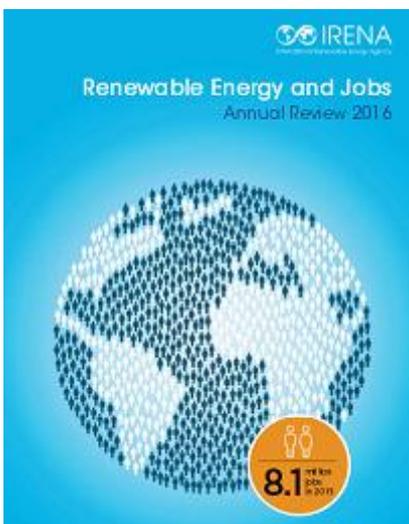


Welcome to Solar Weekly Insight, presenting the most important developments in the global solar and energy storage industry, ranging from significant industry trends, policies, research, and new technologies to markets and pricing.

This week's edition focuses on IRENA's record renewable energy employment figures, JinkoSolar outstripping Trina Solar in Q1, 2016 PV module shipments, imec's first semi-transparent perovskite PV modules, and the IHS forecast of 1 GW of battery storage to be installed in the U.K. by 2020.

IRENA: Renewable energy employed 8.1 million people in 2015

The International Renewable Energy Agency (IRENA) has published a new report. "Renewable Energy and Jobs – Annual Review" presents the status of renewable energy employment, both by technology and in selected countries.



In this third edition, IRENA estimates that renewable energy employed 8.1 million people around the world in 2015 (excluding large hydropower). This is a 5% increase from the number reported the previous year.

Solar PV the largest renewable energy employer

Solar PV was the largest renewable energy employer with 2.8 million jobs worldwide, an 11% increase over 2014. Solar PV employment grew in Japan and the United States, stabilised in China, and continued decreasing in the European Union.

Report download (2.31 MB)

JinkoSolar outstrips Trina Solar in Q1, 2016 PV module shipments, becomes biggest global module supplier

JinkoSolar Holding Co., Ltd. (Shanghai, China) on May 27th, 2016 announced its unaudited financial results for the first quarter ended March 31st, 2016. JinkoSolar shipped solar photovoltaic (PV) modules totaling 1,600 megawatts (MW), which includes 166 MW to be used in the Company's downstream projects. JinkoSolar's module shipments topped Trina Solar's figures (1,423.3 MW) for the very first time in Q1, 2016.



JinkoSolar's total PV module shipments decreased by 6.4% from 1,710 MW in the fourth quarter of 2015 and increased by 102.7% from 789 MW in the first quarter of 2015.

Total revenues were RMB 5.47 billion (USD 847.8 million), representing a 10.0% decrease from the fourth quarter of 2015 and an increase of 98.8% from the first quarter of 2015. Gross margin was 21.3%, compared with 19.5% in the fourth quarter of 2015 and 20.3% in the first quarter of 2015. [More](#)

With 1,600 MW of solar PV shipments JinkoSolar is ranking as the biggest module supplier among its peers during Q1, 2016

Trina Solar shipped 1.4 GW in Q1, 2016; Year-over-year growth in revenue

Trina Solar Limited (Changzhou, China) shipped solar photovoltaic (PV) modules totaling 1,423.3 MW in Q1, 2016, consisting of 1,370.4 MW of external shipments and 52.9 MW of shipments to the Company's own downstream PV projects.



Trina Solar's total module shipments decreased 19.9% sequentially and increased 38.7% year-over-year.

"This quarter was a good start to the year. We posted strong year-over-year growth in major financial and operational metrics, particularly with revenue and net income up 46.4% and 91.3%, respectively," comments Jifan Gao, Chairman and CEO of Trina Solar. [More](#)

JA Solar shipped 1,038 MW of PV modules, solar cells in Q1, 2016

For Q1, 2016, JA Solar Holdings Co., Ltd. (Beijing, China) announced total PV shipments of 1,128.3 MW, consisting of 1,038 MW of modules and solar cells to external customers, and 90 MW of modules to the Company's own downstream projects.



Shipments of modules and module tolling were 919.4 MW, an increase of +57.4% y/y and decrease of 29.1% sequentially. Shipments of cells and cell tolling were 118.9 MW, an increase of +22.1% y/y and +188.6% sequentially.

Net revenue was USD 538.1 million, an increase of +44.4% y/y and decrease of 24.5% sequentially. [More](#)

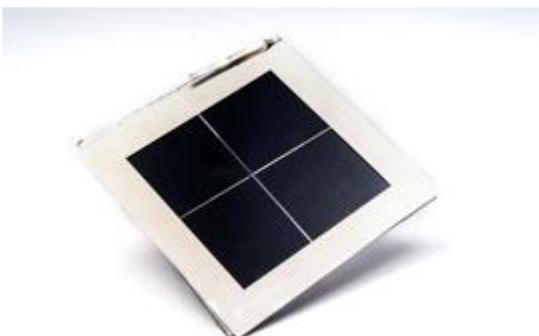
Promotion



Intersolar India is the country's largest exhibition and conference for the solar industry. It takes place annually at the Bombay Exhibition Centre (BEC) in Mumbai. The event's exhibition and conference both focus on the areas of photovoltaics, PV production technologies, energy storage systems and solar thermal technologies. Since being founded, Intersolar has become the most important industry platform for manufacturers, suppliers, distributors, service providers and partners in the global solar industry. In 2016 Intersolar India expects 230 international exhibitors, around 11,000 visitors at the exhibition, over 100 distinguished speakers and 500+ attendees at the accompanying conference.

imec, Solliance Partners present first semi-transparent perovskite PV modules

Nanoelectronics research center imec (Leuven, Belgium), partner in Solliance, on May 25th, 2016 presented the first-ever semi-transparent perovskite PV module, achieving power conversion efficiencies up to 12%.



The technology enables for semi-transparent PV windows which are a key towards Zero-Energy Buildings, the company reports in a press release.

Moreover, combining these modules with Si solar cells, an unprecedented 20.2% in power conversion efficiency for a perovskite/Si stacked solar module was achieved. [More](#)

IHS expects 1 GW of battery storage to be installed in the U.K. by 2020

Aided by the National Grid's upcoming tender for 200 MW of "enhanced frequency response," and with quickly rising demand for batteries to store surplus solar power in homes, IHS expects nearly 1 gigawatt (GW) of batteries will be installed in the United Kingdom's grid by 2020.



The 20 megawatt (MW) battery system that Renewable Energy Systems Americas Inc. (RES, Broomfield, Colorado, U.S.) will provide to the U.K.'s National Grid represents the largest planned battery project to provide frequency regulation in the country – a trend that IHS predicts will continue in the coming years. [More](#)

Picture left: RES battery storage systems



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