

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

This week's edition focuses on PV, CSP installations in India, new Japanese feed-in tariffs, and a new world record for organic photovoltaic cells (OPV).

### India reaches 940 MW of PV, CSP



*The report on the JNNSM found 229 MW of commissioned PV out of 1.15 GW of PV and CSP projects*

On April 30th, India's Ministry of New and Renewable Energy (MNRE) issues an estimate that the nation had reached 940 MW of installed PV and CSP capacity. [More](#)

Three days prior, on April 27th, the MNRE provided an update to parliament on the status of the nation's National Solar Mission, finding 229 MW of PV commissioned out of 1.15 GW of PV and CSP projects participating in the program.

### Japan proposes rates for new feed-in tariff



Late last week a Japanese government panel proposed rates for the nation's new feed-in tariff of USD 0.50/kWh for PV plants larger than 10 kW. In an industry note released on April 30th, Jefferies estimates that this will provide a 20% IRR for investors, and lead to considerable expansion of the nation's PV market. [More](#)

*Picture left: Artist's rendering of the Kagoshima PV plant, which will be located in Kagoshima City on the island of Kyushu in southern Japan*

## SolarCity to hold IPO



On April 30th, solar leasing pioneer SolarCity announced that it will conduct an initial public offering, following a review period by the SEC.

[More](#)

*Picture left: In February 2012 SolarCity estimated that it has more than 30,000 clean energy projects either complete or underway*

## LDK reports heavy losses in 4Q 2011



This week LDK Solar released its long-awaited fourth quarter 2011 results, reporting a decline in revenues and massive losses as the latest victim of the ongoing collapse in wafer prices. The company also announced that it will lay off a large portion of its global workforce. [More](#)

*Picture left: A collapse in the prices of wafers in 4Q 2011 led to heavy inventory write-downs*

## Heliatek reaches 10.7% efficiency with OPV cell



Finally, late last week Heliatek announced that it has achieved a new world record organic photovoltaic (OPV) cell conversion efficiency of 10.7% with a 1.1 square centimeter cell.

Heliatek states that SGS' measurement showed consistent performance in temperatures up to 80 degrees Celsius, as well as increased performance under low light conditions. At 100 watts per square meter the cells offer a 15% higher efficiency compared to conditions of 1,000 watts per square meter.

[More](#)

*Picture left: OPV cell by Heliatek*

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