

Q CELLS' Q.PEAK DUO modules earn further low-carbon certification for French tenders

- Carbon footprint of 300 kg-eq/CO₂/kWc achieved for the high-efficiency Q.PEAK DUO module series, utilizing a 25% recycled poly SI methodology, as recognized by the CRE
- The Q.PEAK DUO module series can now be selected for projects awarded under the CRE tender up to CRE4.6 for rooftop projects, and up to CRE4.4. for utility projects.
- **Q CELLS'** Head of EU Sales, Maeng Yoon **Kim said:** "France should be applauded for its measured and sustainable support of its renewable energy industry, and we are delighted that Q CELLS can continue to participate in this journey with our award-winning, low-carbon Q.PEAK DUO module series."

[Berlin, Germany, April 1, 2019] Hanwha Q CELLS GmbH ("Q CELLS" or "**The Company**"), the German subsidiary of one of the largest solar cell and module manufacturers in the world, Hanwha Q CELLS Co., Ltd, has received on March 14 a Certisolis carbon footprint (CFP) certification of 300 kg-eq/CO₂/kWc in France for its high-efficiency Q.PEAK DUO module series.

This latest certification – which follows an earlier CFP certification in January 2019 – means that customers in France can now apply for subsidized electricity tariffs **in a broader range of France's tender periods using Q CELLS' Q.PEAK DUO range of solar modules.**

Specifically, Q.PEAK DUO solar modules are certified for installation in projects awarded under the **Commission de Regulation de l'Energie (CRE) 4.6 tender** – the sixth rooftop solar tender under the CRE4 framework – and also the CRE 4.4 tender, which is the fourth utility solar tender rolled out under the same framework.

Launched by the French government in 2016, the CRE4 framework is a renewable energy support mechanism that is divided into nine different sessions, covering the two-year period between 2017 and 2019. Solar projects that are awarded contracts under these tenders can receive government-backed subsidized electricity rates that are higher than typical market prices for electricity. However, these projects must be built using components that are certified as low-carbon during their production. The official certification from CRE **shows that Q CELLS' Q.PEAK DUO** module series has a carbon footprint of 300 kg-eq/CO₂/kWc, attained through a 25% recycled poly SI methodology.

Sustained and sustainable solar growth thanks to France's **low carbon tenders**

France's solar power sector continues to enjoy encouraging growth as the country aims to reach its government-mandated solar capacity target of between 18.2 GW and 20.2 GW by 2030. Currently,

cumulative solar capacity in France stands at just above 8 GW (as of the end of 2018), according to official Environment Ministry of France data.

In securing another low carbon footprint certification for its Q.PEAK DUO modules, Q CELLS is in a good position to strengthen **its market position in France, said Q CELLS' Head of EU Sales, Maeng Yoon Kim**: "France should be applauded for its measured and sustainable support of its renewable energy industry, and we are delighted that Q CELLS can continue to participate in this journey with our award-winning, low-carbon Q.PEAK DUO module series."

As it is doing so in many other European markets, Q CELLS is registering increasing market share in France, particularly within the feed-in tariff (FIT) sector and CRE tender market – thanks to the **company's low carbon certifications** and renowned high standards, which this year have already been recognized with the "Top Brand PV" seal awarded by EuPD Research in Europe, including France.

Stephan Maurel, Head of Sales France, added: "The ongoing transition within France to a more renewables-based electricity system is an excellent incentive for companies like Q CELLS to continue driving high standards in solar technology innovation and low-carbon production. By transitioning its energy sector in the most eco-friendly way possible, we believe that France can become a role-model for the world."

"Q CELLS' Q.PEAK DUO is a Q.ANTUM solar module that utilizes our unique, patent-protected passivation technology to increase the life and power output of the solar cells. These modules are not only award-winning and certified low-carbon, but also ideal for rooftop and utility customers in France thanks to their excellent power output and reliability."

About Hanwha Q CELLS GmbH

Hanwha Q CELLS GmbH is the German subsidiary of Hanwha Q CELLS Co., Ltd. Hanwha Q CELLS GmbH is responsible for the R&D, sale, and installation of a full spectrum of solar components—from modules and kits to systems and large-scale solar power plants—across all European markets, as well as Latin America, the Middle East, and **North Africa**. **Hanwha Q CELLS GmbH's parent** company, Hanwha Q CELLS Co., Ltd., has diverse international manufacturing facilities in Malaysia and China.

Safe-Harbor Statement

This press release contains forward-looking statements. These forward-looking statements can be identified by terminology such as "will," "expects," "anticipates," "future," "intends," "plans," "believes," "estimates" and similar statements. Among other things, the quotations from **management in this press release and the Hanwha Q CELLS' operations and business outlook**, contain forward-looking statements. Such statements involve certain risks and uncertainties that could cause actual results to differ materially from those expressed in or suggested by the forward-looking statements. Except as required by law, Hanwha Q CELLS does not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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