

## Q cell battery storage

[Berlin, Germany, December 7, 2021] Energaia, one of the largest solar and renewable energy trade shows in France, returns this year after its COVID-enforced hiatus in 2020, with Qcells thrilled to welcome expectant crowds eager to get back down to business in Montpellier on December 8 & 9.

The Qcells booth (in hall B1, B05) will feature the company's newest, smartest storage device, the Q.HOME CORE, which has been designed to specifically meet the storage needs of homeowners, as well as its latest next-generation Q.TRON solar module, which uses n-type Q.ANTUM NEO technology to drive solar module efficiencies to fresh new heights.

A further highlight of the Qcells booth this year will be the new Q.PEAK DUO M-G11 module, of which 108 cells version has 400-410 W, which is the Company's latest low-carbon footprint (CFP) module manufactured using low-carbon materials specifically for the French market, in order to meet expected high demand in the new 100-500 kWp segment. Qcells' module offering at the show is completed by the Q-PEAK DUO ML-G9+/AC module, which features embedded Enphase's microinverter to deliver outstanding yields for the customer and to enable easy and fast installation for installer.

The introduction by the French Energy Regulatory Commission (CRE) to set a mandatory low-carbon footprint (CFP) certification for utility-scale PV tenders was welcomed by Qcells, and the company has consistently met CRE's requirements on this front. Indeed, Qcells was the first Korean company to secure CFP certification in France in 2014, and continues to drive standards in clean manufacturing in Korea and globally, becoming a founding member of the Ultra Low-Carbon Solar Alliance (ULCSA) in the US and the first renewable energy company to declare its participation in Korean RE100.

At the Qcells booth, experts will be on hand to walk visitors through the Q.HOME CORE's key features, including explaining in detail the distinct benefits of the hybrid and the AC-coupled versions.

The Q.HOME CORE is not the only shiny new product set for a European debut at Energaia. Also being showcased at the exhibition will be Qcells' exciting new solar module, the Q.TRON, which promises to usher in a new era of PV performance. Q.TRON is made using Qcells' new innovative Q.ANTUM NEO technology, which is based on a NEO Power Transmitter to combine the passivation layer and electrical interconnection functionality.

Using n-type solar cells, this new layout allows for full passivation and contact at the same time, thereby overcoming some of the previous efficiency limitations inherent in PERC technology, and driving maximum module efficiency up to 22.9%. The 120 cells version of Q.TRON will provide power output of up to 405 Wp, as well as an inclusive 25-year product and performance warranty.



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The current dominance of PERC-based technology in the solar market is not going to subside any time soon, however, and Qcells is excited to showcase its latest PERC modules at Energaia, including the new Q.PEAK DUO-G10 and G11 models. The Q.PEAK DUO-G10 solar module builds upon the technological prowess of its predecessor - the Q.PEAK DUO-G9 - and packs in more power thanks to the larger M6 (166mm) wafers.

For customers intent on pursuing an even higher power class, Qcells has developed the Q.PEAK DUO XL-G11 solar module, which uses M10 wafers measuring 182mm to reach a power output of up to 590 Wp. This makes the Q.PEAK DUO XL-G11 the first Qcells module to surpass the 500 Wp mark, doing so with an efficiency of 21.7% using Zero-gap technology. This is also Qcells' largest solar module to date; one that delivers extremely high yield per surface area thanks to the high-performance metrics of the company's renowned, patent-protected Q.ANTUM technology.

Visitors to the Qcells booth can also check out the new Q.PEAK DUO ML-G9+/AC module, fitted with an Enphase Energy IQ 7+(TM) microinverter that converts direct current (DC) solar electricity at the module level to reach module efficiencies of up to 21.5%, and help bring an overall lower Levelised Cost of Electricity (LCOE) for the customer.

Stephan Maurel, head of Resi and C&I Sales, France, said: "The return of the Energaia exhibition this year is exciting for Qcells for a number of reasons. First, it will be great to see many of our customers face-to-face again, and secondly, we cannot wait to welcome them with a very exciting product line-up.

"The Q.HOME CORE is a testament to Qcells' commitment to continuously develop solutions that meet the needs of the end customer, and comes at an ideal time to tap into growing demand among French homeowners and EV owners for reliable, user-friendly storage solutions. The Q.TRON, meanwhile, will offer visitors an exciting glimpse into the high efficiency future of solar PV technology."

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Web: <https://www.sumthingtasty.co.za/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

