

TAITANG NEWS (2026-05-12)

China Solar PV News Snippets: Gokin Solar Passes 3 Million BC Modules & More

Huaneng shortlists suppliers for 6 GW procurement; Renshine develops perovskite BIPV project; Nankai University reports 27.17% perovskite cell efficiency; Guizhou releases renewable bidding results.



Gokin Solar has become the third global manufacturer to achieve mass production of BC cells. Image Credit: Gokin Solar

Gokin Solar Exceeds 3 Million BC Module Production

Wafer and module manufacturer Gokin Solar has announced that cumulative production of its back-contact (BC) modules has surpassed 3 million units.

The company said it has become the third global manufacturer to achieve mass production of BC cells. Gokin Solar currently operates 5 GW of BC production capacity, contributing to total module shipments exceeding 10 GW.



Earlier this month, Gokin Solar expanded its BC technology partnership with AIKO, focusing on value chain optimization across wafers, cells, and modules

China Huaneng Releases Shortlist for 6 GW PV Module Procurement

Energy developer China Huaneng has announced the shortlisted suppliers for its 2025-2026 framework procurement covering 6 GW of PV modules. A total of 12 companies were shortlisted, including Yingli Solar, JinkoSolar, and Tongwei Solar.

The procurement is divided into 3 sections. Section 1 covers 1.8 GW of modules with efficiencies between 23.1% and 23.8%, with bid prices ranging from RMB 0.806/W to RMB 0.88/W. Section 2 covers 700 MW within the same efficiency range, with bids ranging from RMB 0.87/W to RMB 0.88/W.

Section 3 covers 3.5 GW of modules with efficiencies above 23.8%, with bid prices ranging from RMB 0.848/W to RMB 0.92/W.



Renshine Solar's BIPV rooftop project at the former Shanghai Boiler Factory workshop (in the picture) will use around 6,000 perovskite modules across a 4,000 m² rooftop. Image Credit: Renshine Solar



Renshine Solar Develops Large-Scale Perovskite BIPV Rooftop Project

Perovskite manufacturer Renshine Solar is developing what it describes as the 'world's largest' perovskite building-integrated photovoltaic (BIPV) rooftop project.

The installation will use around 6,000 perovskite modules across a 4,000 m² rooftop at the former Shanghai Boiler Factory workshop.

The company said its lightweight and flexible modules can be customized in color and size to meet architectural design requirements for BIPV applications.

In December 2025, RenShine Solar announced achieving 31.7% efficiency on a self-developed 384.02 cm² perovskite-silicon tandem module.

Nankai University Team Reports 27.17% Perovskite Solar Cell Efficiency

A research team from Nankai University and Beijing Institute of Technology has achieved a certified steady-state efficiency of 27.17% for inverted-structure perovskite solar cells.

The study, published in *Nature*, introduces a continuously graded-doped SnO₂ electron transport layer design intended to improve carrier transport and device stability.

The researchers also reported a reverse-scan efficiency of 27.50%, which they said could support the development of large-scale and high-stability perovskite modules.

The study, titled *Continuously graded-doped SnO₂ for efficient n-i-p perovskite solar cells*.



Guizhou Releases New Renewable Energy Price Bidding Results

Guizhou Province has released results for its latest renewable energy mechanism price bidding round, covering a total of 15.3 TWh of generation capacity.

The auction selected 72 wind projects totaling 9.921 TWh at RMB 0.335/kWh, alongside 3,814 PV projects totaling 5.375 TWh at RMB 0.345/kWh.

The province also included distributed PV projects in the bidding process for the first time, with 3,774 distributed PV projects securing successful bids.