

# G12-0BB HJT Solar Cell

This achievement demonstrates Huasun's robust capabilities and innovative prowess in the HJT sector. The first 210mm half-cut heterojunction cell rolled off Huasun Xuancheng Phase V production facility on October 25, 2024. The newly produced HJT cells adopt a combination of half-cut and standard SMBB processes.

Huasun's Himalaya G12-132 and Everest G12R-132 rectangular heterojunction (HJT) modules have achieved remarkable milestones. The Himalaya G12-132 module now boasts a champion power output of 768.938 W and an efficiency of 24.75%, while the Everest G12R-132 has reached a champion power output of 669.1 W with an efficiency of 24.77%.

As a leader in the HJT industry, Huasun introduced its zero busbar (0BB) HJT technology this year to address the global demand for high-efficiency, high-reliability, and high-stability photovoltaic modules. The 0BB design increases the cell's irradiated area, enhancing light conversion efficiency.

HJT-210R-132-0BB VIEW MORE &gt; ... Huasun's Everest Series G12R wafer module equipped with advanced HJT 3.0 cell technology, boasts an efficiency up to 26.41%, power output up to 640W, bifaciality up to 95%, Tem. ... Huasun Celebrates First Batch of 210HP HJT Solar Cells Rolled off Its Xuancheng Phase V 1 GW Project More Info

These series embody the latest breakthroughs in HJT wafer and cell design, flawlessly merging zero busbar (0BB) technology with HJT modules. Visitors can witness the firsthand marvels in these state-of-the-art modules, which boast impressive champion cell efficiencies of 26.41% and 26.50% respectively in mass production.

Himalaya G12 Series HJT Solar Cell HJT Module Authenticity ... Huasun will gradually realize the technical iterations of HJT solar cell from 3.0 (double side mc-Si), 4.0 (double side mc-si with Cu plating), 5.0 (full back-contact) to heterojunction-perovskite tandem cells, and eventually reach the efficiency of 28% in mass production. ...

Dr. Wang elaborated on Huasun's proprietary zero busbar (0BB) technology pathway, highlighting its pivotal role in driving down costs and enhancing efficiency within the HJT industry. He emphasized that Huasun's 0BB technology reduces internal resistance within solar cells, resulting in significant improvements in electrical and CTM performance.

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

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



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WhatsApp: 8613816583346

