



# Korean solar cell design





## Overview

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The team's design features an all-back-contact (ABC) configuration, which places all electrical contacts on the rear side, creating a glass-like transparent crystalline silicon (c-Si) cell. A 16 cm<sup>2</sup> module achieved a power conversion efficiency of 14.7% and successfully charged a. In 2014, researchers at Michigan State University (MSU) developed the first fully transparent solar concentrator, opening the door to a revolutionary approach to solar energy. \*Device: Individual parts that are components of an apparatus or electronic circuit. An 'all-back-contact' (ABC) design.



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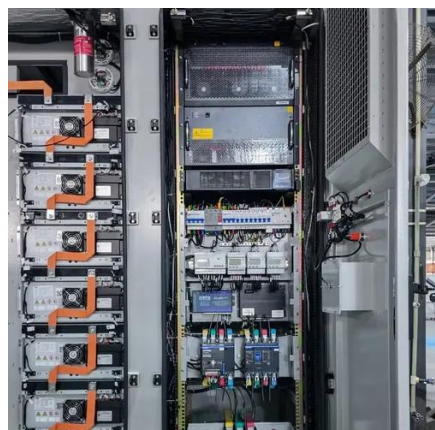


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Act has further stimulated South Korean solar PV manufacturing; most notably, Hanwha Q CELLS has announced a \$2.5 billion investment to enlarge an existing plant and build a new facility, both in ...

### KU News

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Led by Professor Jaeyeong Heo and Dr. Rahul Kumar Yadav, the team has developed a novel rear-contact interface design that substantially improves the efficiency of thin-film SnS solar ...



### **Transparent solar cell powers smartphone**

Researchers in Korea have developed a transparent solar cell with back contacts that they used to power a smartphone. The team at UNIST in Korea developed a new type of transparent ...



### [Transparent Solar Cells to Power Devices Through Glass](#)



Professor Kwanyong Seo and his research team at the School of Energy and Chemical Engineering at UNIST in Korea have developed a new method that can directly charge a battery from ...



[Scientists design all-back-contact transparent solar cell](#)

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According to the Ministry of Energy and Finance, the investment in next-generation solar power will focus on securing core technologies for "ultra-high-efficiency" tandem solar PV cells,





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