

## PEES Power Systems

# Main materials of LONGi BC photovoltaic panels



## Overview

---

The Hi-MO 9 is a solar module with capabilities of up to 660W, based on the 2nd generation Hybrid Passivated Back Contact (HPBC) solar cell technology and the TaiRay wafer, an silicon wafer launched by Longi in March 2024, and the Hi-MO 9 module boasts a conversion. The Hi-MO 9 is a solar module with capabilities of up to 660W, based on the 2nd generation Hybrid Passivated Back Contact (HPBC) solar cell technology and the TaiRay wafer, an silicon wafer launched by Longi in March 2024, and the Hi-MO 9 module boasts a conversion. At the key node of intergenerational transition of global Photovoltaic (PV) technology, the back contact (BC) cell technology is leading the new-generation PV technology paradigm revolution, becoming the core engine to drive industry cost reduction and efficiency improvement and realize energy. as Xi'an LONGi Silicon Materials Corporation. The company's initial focus was on the development and production of single crystal (mono) silicon gi 450W Bifacial Solar Panel is its longevity. Longi guarantees these solar panels will continue to perfo facial Solar Pan I (LR7-54HGGB-450M). Chinese module manufacturer LONGI has launched a new back-contact (BC) lightweight module for commercial and industrial (C&I) rooftop applications. The Hi-MO X10 Guardian Light Design module is built on the company's hybrid passivated BC 2. The module reaches a mass. LONGi's Back-Contact (BC) technology is setting new benchmarks in solar efficiency, with recent advancements pushing cell efficiency to a record 27. This leap forward significantly enhances the performance and adaptability of PV systems. In a recent interview with Mark, Executive Editor of Caijing Magazine, Li Zhengu, founder and president of LONGi addressed market concerns regarding the company's market structure, technological roadmap selection, and the competitive landscape of the photovoltaic (PV) industry. LONGi has laid out several.

## Main materials of LONGi BC photovoltaic panels

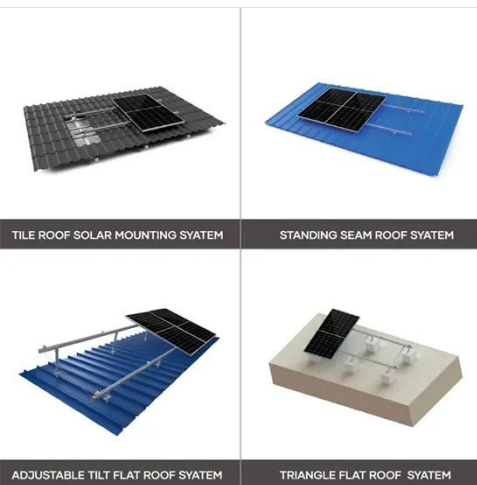


### The World's Leading Supplier of Solar PV Solutions

Back Contact (BC) Solar Technology Development White Paper At the key node of intergenerational transition of global Photovoltaic (PV) technology, the back contact (BC) cell technology is leading the ...

### LONGi BC technology: Impressive 25% Cell Efficiency Proven

This success is not an isolated case. The adoption of this technology is expanding globally, with LONGi set to supply 1.1 GW of its Hi-MO 9 BC modules for the massive 1.5 GW PV4 ...



### LONGi unveils new lightweight BC module for rooftop C& I

Chinese module manufacturer LONGI has launched a new back-contact (BC) lightweight module for commercial and industrial (C& I) rooftop applications. The Hi-MO X10 Guardian Light ...



cell rim from 50 MPa to 26 MPa, thereby enhancing structural integrity.



---

## **LONGi announced two new global solar cell efficiency records**

From revolutionizing the industry by mainstreaming monocrystalline technology over polysilicon, to pioneering perovskite and BC solar cell research, the company has built an end-to-end ...



---

## **Main materials of LONGi BC photovoltaic panels**

Depending on the materials used in the manufacturing process of the panels, PV technologies can be broadly classified into three generations: crystalline silicon (c-Si), thin-film



---

**Contact Us**

For catalog requests, pricing, or partnerships, please visit:  
<https://www.peregrine-energy.co.za>

