

# Solar panel specifications abc



## Overview

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What is an ABC solar cell?

ABC means “All Back Contact.” Some people also call it IBC (Interdigitated Back Contact). It’s the more established technology with over 20 years of proven performance. ABC solar cells have a special pattern on the back that looks like interlocking fingers.

How do ABC solar panels work?

ABC solar cells have a special pattern on the back that looks like interlocking fingers. All the positive and negative electrical contacts are arranged in this pattern on the rear side only. Aiko Solar currently leads residential ABC panels with their Neostar series achieving 24.3% efficiency.

How efficient are HIBC & hpbc solar panels?

Latest Update (June 2025): LONGi achieved a groundbreaking 27.81% lab efficiency for advanced HIBC cells, while Aiko Solar leads commercial residential panels at 24.3% efficiency with ABC technology. If you’re looking into solar panels, you might have heard about ABC and HPBC technologies.

Why should you choose Aiko Gen2 ABC solar panels?

With the second improvement of Aiko Gen2 ABC modules, the safety and reliability of its solar systems against inclement weather is further reinforced. This new feature counteracts the dangers created by prolonged shading, which can cause hot spots, cell degradation and fires.

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Discover Aiko's award-winning ABC modules, featuring N-type solar cells, passivating contacts, and rear-side contacting for record efficiency.

Explore whether ABC solar panels are right for you. We cover specs, pricing, heat tolerance, warranties, and real test results to help you decide smartly.

Pure-black Front without Gridlines Complete Set of Quality Management System IEC

61730 (2016) IEC 61215 (2021) ISO 9001:2015 Quality Management System ISO ...

Revolutionary silver-free N-type aesthetic full back contact cells, engineered for maximum efficiency, power output per watt, durability and reliability.

Back-contact solar panels are changing the game. In this guide, we compare Hybrid Passivated Back Contact (HPBC) and All Back Contact (ABC) panels to help you make the

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Shanghai AIKO Energy Co., Ltd. Solar Panel Series N-Type ABC Dual-glass Aiko-A-MAH72Dw 595-615W. Detailed profile including pictures, certification details and

The new modules AIKO 2nd Generation ABC, recently introduced, have added significant improvements to five key features. Known as ABC (All Back Contact) Gen 2 N type, ...

AIKO drives innovation in the photovoltaic sector by introducing a new technology in their modules: N-Type All Black Contact (ABC). Thanks to their avantgarde production ...

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The new modules AIKO 2nd Generation ABC, recently introduced, have added significant improvements to five key features. ...

AIKO 475W Neostar 2P - High-efficiency solar panel featuring advanced cell optimisation technology. With its N-Type ABC cells, it delivers superior performance, enhanced durability, ...

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ABC modules explained: Functionality and structure of All Back Contact technology ABC modules with All Back Contact technology are solar modules in which all electrical ...

## Contact Us

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For catalog requests, pricing, or partnerships, please contact:

### **NKOSITHANDILEB SOLAR**

Phone: +27-11-934-5771

Email: [info@nkosithandileb.co.za](mailto:info@nkosithandileb.co.za)

Website: <https://nkosithandileb.co.za>

*Scan QR code to visit our website:*

