

ReneSola's 182 TopCon Technology: Powering the Future of Solar Innovation

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When Lightweight Meets High Efficiency

Imagine installing solar panels on historic European rooftops without compromising structural integrity. ReneSola's 182-N lightweight module - weighing just 6kg/m² - makes this possible while delivering 22.57% efficiency. This engineering marvel uses 182mm TOPCon cells with invisible frames that repel dust like Teflon-coated cookware, solving two persistent solar challenges in one stroke.

Technical Breakthroughs Behind the Numbers

N-type silicon base: 3% higher energy yield vs traditional P-type

SMBB technology: 0.5% power loss reduction through refined current collection

PID&LID immunity:

Web: <https://www.sphoryzont.edu.pl>