
New lightweight solar modules

What is a full Black n-type solar module?

China-headquartered solar cell and module manufacturer Jiangsu Sunport Power Corp has launched a lightweight module. The new Full Black N-type solar module has an efficiency of up to 22.5% and a power output of between 420 and 440 W. It is made of high-transmittance tempered glass and relies on anodised aluminum alloy frames.

How much does a Sunport power module weigh?

It is made of high-transmittance tempered glass and relies on anodised aluminum alloy frames. The module's dimensions are 1,720 mm x 1,132 mm x 30 mm, and it weighs 10.8 kg, or 5.5 kg per square metre. Sunport claims the module has 3% more power output compared to similar products with the same dimensions and features.

How much does Longi module weigh?

The module weighs 7.2KG/m², a reduction of over 30% compared to conventional modules. Lighter, More cost saving, and Safer On May 25, LONGi first launched this module in the Chinese market, leading the industry in lightweight design, convenient installation, and reliability.

Why did Chinese solar cell manufacturer switch to n-type technology?

The Chinese manufacturer told pv magazine that high production costs and low module prices influenced its decision to change its well-known metal wrap through technology out for mass produced N-type technology for its latest product. China-headquartered solar cell and module manufacturer Jiangsu Sunport Power Corp has launched a lightweight module.

Xi'an, China | August 15, 2025 - As solar power becomes globally popularized, over 30% of rooftops still not suit to install solar panels due to load issues. Despite those owners eager for ...

PV on Tour - Sunman Energy presents its ultra-lightweight, semi-flexible solar modules, designed for lightweight roofs and balcony PV systems, and achieving up to 520 ...

Flexible, lightweight solar modules like these could power everything from portable electronics to next-generation building materials. More information: Jing Zhang et al, ...

February 19, 2025 at the opening of Japan's World Smart Energy Week 2025, Polyshine Solar captivated global attention with its revolutionary lightweight flexible photovoltaic modules. ...

China -- LONGi has unveiled a lightweight solar module designed to address installation challenges on rooftops with limited load-bearing capacity, a factor that prevents an ...

Chinese solar manufacturer DMEGC showcased a new lightweight rooftop solar module at the EnerGa; a trade show in Montpellier, France. The DMxxxM10RT-54HBW-LV ...

LONGI has launched a new back-contact (BC) lightweight module for commercial and

industrial (C& I) rooftop applications.

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