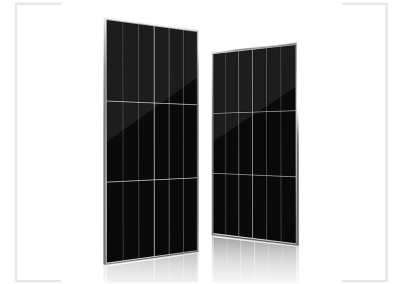


Shingled Solar Module Up to 440W

This shingled module enhances the original design for improved performance. The product reduces the operating current and internal loss, increases the power density, and achieves up to 20.8% internal conversion efficiency, with a maximum power of 440W.



Overview

High-Efficiency Shingled Series

The S2 shingled solar module represents a significant leap in photovoltaic design, delivering up to 440W of power with an internal conversion efficiency of 20.8%. By utilizing laser-cut cell technology and a busbar-free design, this module minimizes internal resistance and sunlight shielding, ensuring superior energy output. Designed for both residential and commercial sectors, it features advanced shading performance and a robust mechanical build capable of withstanding 5400Pa loads.

Performance Metrics

Key Performance Metrics

440 W

Max Power

20.8 %

Conversion Efficiency

5400 Pa

Mechanical Load

Technical Specifications

Core Features

- Busbar-free design
- Three independent solar cell arrays
- One-sixth laser-cut 158.75mm cells
- No ribbon soldering

Application & Benefits

Target Applications

Residential • Commercial

Key Advantages

18% More Output, 12% Lower BoS Costs, Excellent Shading Performance, Enhanced Durability, Corrosion Resistant