

Half-Cut Cell Solar Panel Module Up to 445W

This high-efficiency module integrates 166mm silicon wafers with multi-busbar and half-cut cell technologies. The module has a maximum power output of 445W and efficiency of 20%.



Product Overview

High-Efficiency Half-Cut Solar Technology

This advanced half-cut cell solar module leverages 166mm silicon wafers to deliver a maximum power output of 445W and efficiency levels reaching 20%. Designed for large-scale commercial and utility projects, the module utilizes multi-busbar technology to minimize ribbon resistance and enhance overall energy yield. The half-cell configuration significantly improves reliability by reducing the impact of micro-cracks, hot spot effects, and shading losses.

Key Performance Metrics

Performance Metrics

445 W

Maximum Power Output

20 %

Module Efficiency

Technological Advantages

Core Features

Half-cut Cell Technology, Multi-busbar Design, 166mm Silicon Wafers, Reduced Hot Spot Risk, Enhanced Shading Tolerance

Economic Impact

Financial Benefits

- Lower Levelized Cost of Energy (LCOE)
- Reduced Balance of System (BoS) costs
- Minimum 5% CAPEX savings per watt on 1MW+ projects
- Optimized for large commercial and utility power stations