High-Efficiency Polycrystalline Solar Module

This high-efficiency polycrystalline solar module is designed for renewable energy applications. It is engineered for optimal energy conversion and long-term reliability.

Overview

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This high-efficiency polycrystalline solar module is engineered to maximize power generation per unit area while minimizing costs. Utilizing high-transparent low-iron tempered glass and advanced cell permutation, the module ensures optimal heat diffusion and reduced hot spot effects. Designed for durability, it features an anodic oxidation aluminum frame and has been rigorously tested to withstand 5400Pa mechanical loads, making it suitable for demanding environmental conditions.

Performance & Electrical

Output Power Tolerance	0~+3%
Quality Assurance	Yes
Mechanical Load Capacity	5400 Pa

Certifications & Compliance

Certifications	TUV, UL, MCS, CE, ROHS, Golden Sun, ISO9001
Output Power Warranty	25 years

Construction & Materials

Key Construction Features

- Bypass diodes to avoid hot spot effect
- Moisture and aging resistant junction box
- High-quality anti-ageing EVA
- Weather-resistant backside materials

Frame Material	Anodic oxidation aluminum
Glass Type	High transparent low iron tempered glass