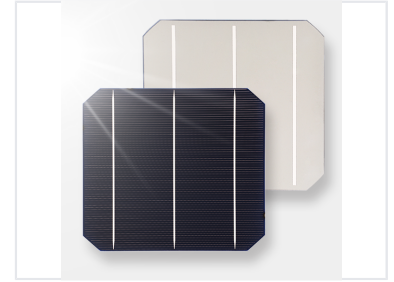


Monocrystalline Solar Cells for Panel Assembly

Monocrystalline solar cells exhibit a short circuit temperature coefficient of $+0.077\%/k$. The cells also feature a max power temperature coefficient of $r=-0.364\%/k$ and an open voltage temperature coefficient of $b=-0.368\%/k$.



Overview

High-Efficiency Monocrystalline Solar Cells

These high-efficiency monocrystalline silicon solar cells are precision-engineered for solar panel manufacturing. Featuring a uniform crystal structure, they are designed to maximize light absorption and energy conversion rates. These cells are suitable for a wide range of applications, including residential, commercial, and utility-scale solar power generation projects.

Physical Dimensions

Dimensions	156x156mm (side to side); 200mm (corner to corner)
Width of Main Grid	1.5 mm
Width of Side Grid	60 μ m
Thickness	220 μ m \pm 30 μ m

Performance Metrics

Model Performance Data

Model	PM (W)	EFF (%)	VM (V)	IM (A)	VOC (V)	ISC (A)	FF (%)
1	4.1	17.2%	0.525	7.817	0.626	8.543	76.7
2	4.15	17.4%	0.527	7.875	0.627	8.574	77.2
3	4.2	17.6%	0.527	7.969	0.627	8.643	77.5
4	4.25	17.8%	0.529	8.034	0.628	8.665	78.1
5	4.3	18.0%	0.53	8.113	0.629	8.709	78.5
6	4.35	18.2%	0.53	8.208	0.63	8.741	79
7	4.4	18.4%	0.532	8.271	0.631	8.807	79.2
8	4.45	18.6%	0.534	8.332	0.633	8.853	79.4

Temperature Coefficients

Short Circuit Temp Coefficient	$+0.077\%/k$
Max Power Temp Coefficient	$-0.364\%/k$
Open Voltage Temp Coefficient	$-0.368\%/k$