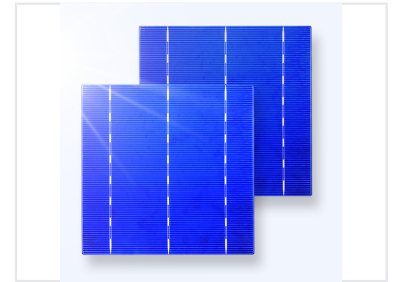


Polycrystalline Solar Cells with High-Efficiency



These polycrystalline solar cells are designed for solar panel manufacturing. They have a short circuit temperature coefficient $a=+0.077\%/k$, max power temperature coefficient $r=-0.364\%/k$, and open voltage temperature coefficient $b=-0.368\%/k$.

Overview

High-Efficiency Polycrystalline Solar Cells

These high-efficiency polycrystalline solar cells are engineered for optimal energy conversion in solar panel manufacturing. Featuring a textured surface to maximize light absorption and constructed with high-purity silicon, they ensure reliable power generation for both grid-tied and off-grid systems. The cells utilize advanced grid line technology for efficient current collection, making them a robust choice for sustainable energy projects.

Physical Dimensions

Dimensions	156 x 156 mm (± 0.5 mm)
Thickness	220 μ m
Main Grid Width	1.5 mm
Side Grid Width	45 μ m

Temperature Coefficients

Short Circuit Temp Coefficient (a)	+0.077%/k
Max Power Temp Coefficient (r)	-0.364%/k
Open Voltage Temp Coefficient (b)	-0.368%/k

Performance Data

Efficiency and Electrical Characteristics

Model	Efficiency (%)	Pmax (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
1	15.60-15.79	3.819	0.511	7.474	0.612	8.006	77.95
2	15.80-15.99	3.868	0.514	7.525	0.615	8.048	78.15
3	16.00-16.19	3.916	0.517	7.574	0.618	8.088	78.34
4	16.20-16.39	3.965	0.52	7.625	0.621	8.144	78.4
5	16.40-16.59	4.014	0.523	7.675	0.624	8.194	78.51
6	16.60-16.79	4.062	0.525	7.737	0.626	8.25	78.65
7	16.80-16.99	4.111	0.528	7.786	0.628	8.289	78.97
8	17.00-17.19	4.16	0.531	7.834	0.63	8.35	79.08
9	17.20-17.39	4.208	0.534	7.88	0.632	8.401	79.25
10	17.40-17.60	4.257	0.536	7.942	0.634	8.449	79.47