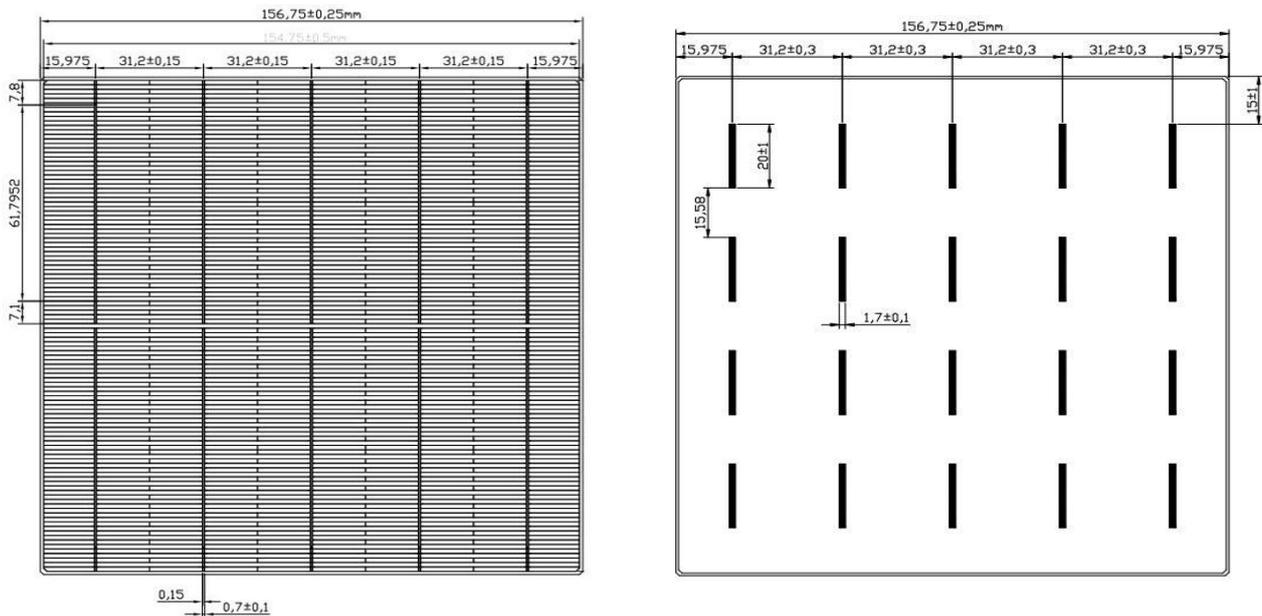


LWP5BB-157

PERC-Poly-crystalline Silicon Solar Cell



Product Features >

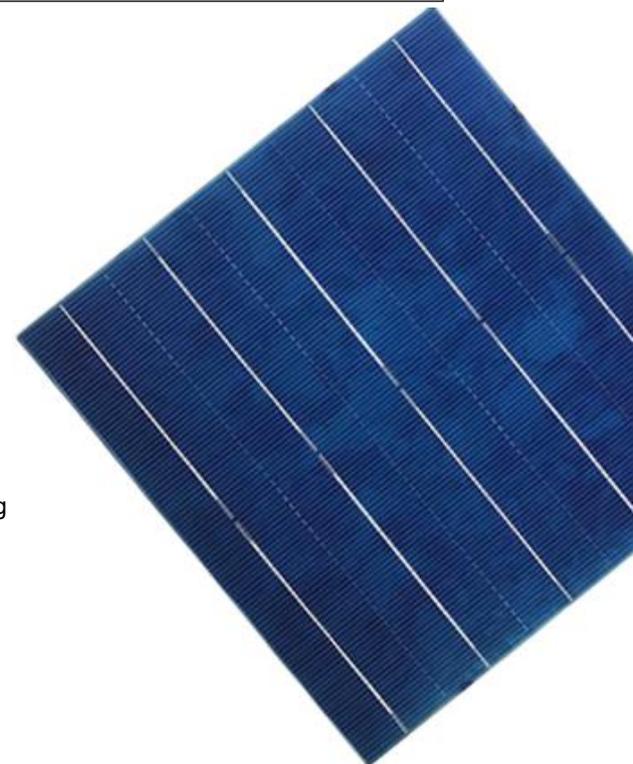
Dimension:	156.75mmx156.75mm±0.25mm, Φ220.0mm±0.25mm
Thickness:	200μm±20μm
Front side:	0.7mm wide sliver busbars,Blue silicon nitride anti-reflection coating
Back side:	1.7mm wide sliver busbars,Aluminum local back-surface field

Product Characteristics

- High conversion efficiency with PERC+SE technology
- No light-induced degradation
- Uniform cell performance with stable process control
- Low breakage rate by using high qualified and stable wafers
- Low mismatch of cell performance during encapsulation
- Excellent power generation performance under low irradiation

Quality Control

- Proper inspection through incoming production,outgoing and packaging
- Efficiency tested within ± 0.1% accuracy
- 100% checked for reverse current and visual appearance
- Reference cell calibrated from Fraunhofer
- ISO 9001,ISO 14001 and CQC etc certificated



Electric Performance >

Eff(%)	Pmpp(W)	Ump(V)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)
20.20%	4.97	0.549	9.026	0.653	9.547
20.10%	4.92	0.548	9.013	0.652	9.546
20.00%	4.90	0.547	8.999	0.650	9.545
19.90%	4.88	0.546	8.980	0.649	9.525
19.80%	4.86	0.544	8.963	0.647	9.506
19.70%	4.84	0.543	8.945	0.645	9.485
19.60%	4.81	0.541	8.925	0.643	9.467
19.50%	4.79	0.540	8.903	0.641	9.438
19.40%	4.76	0.539	8.874	0.640	9.403
19.30%	4.74	0.538	8.852	0.639	9.378
19.20%	4.72	0.536	8.830	0.637	9.353

●Under standard test condition: 1000W/ m², AM 1.5G, 25°C

●Average accuracy of all tests is +/-1.5% rel

Temperature Coefficients >

Current Temperature Coefficient

Tk_{Current}: +0.05%/K

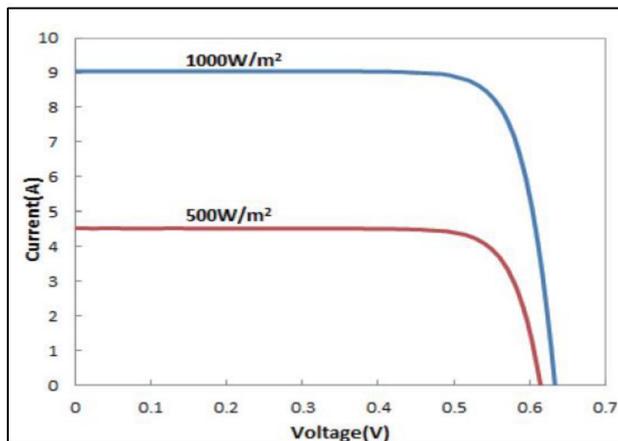
Voltage Temperature Coefficient

Tk_{Voltage}: -0.31 %/K

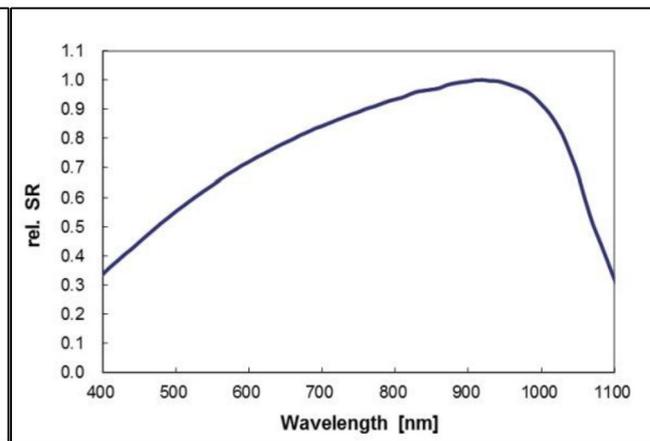
Power Temperature Coefficient

Tk_{Power}: -0.38%/K

IV Curve >



Spectral Response (SR) >



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