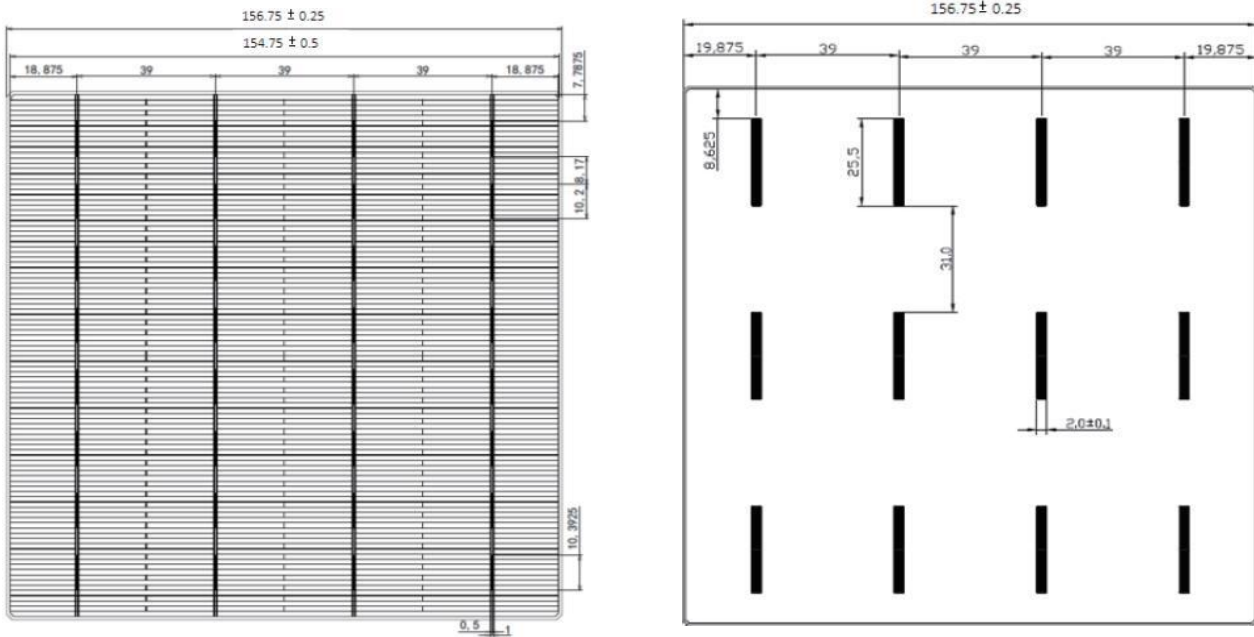


LWP4BB-157

Poly-crystalline Silicon Solar Cell



Product Features >

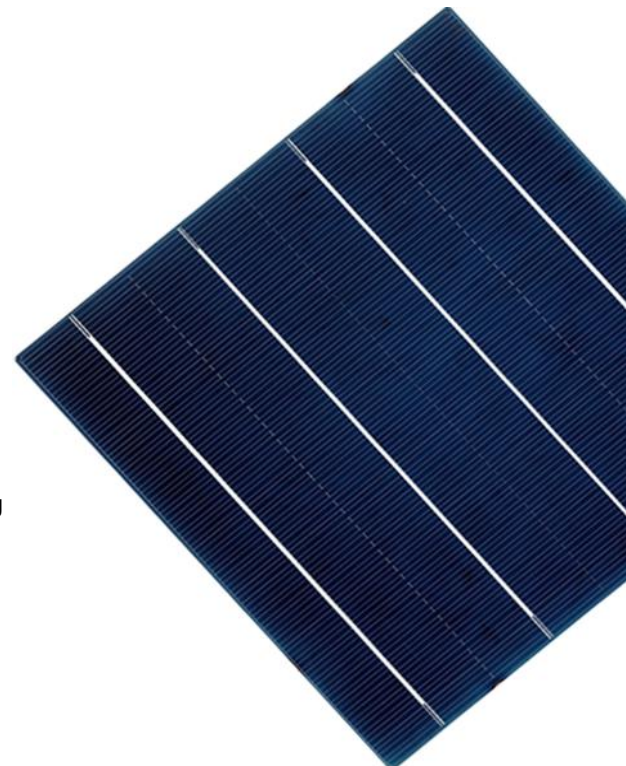
Dimension:	156.75mmx156.75mm±0.25mm, Φ220.0mm±0.5mm
Thickness:	200µm±20µm
Front side:	1.0mm wide bus bars,Silicon nitride anti-reflection coating
Back side:	2.0mm wide bus bars,Silicon nitride coating

Product Characteristics

- High conversion efficiency with high reliability
- 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 CE,CQC certificated



Electric Performance >

Eff(%)	Pmpp(W)	Umpp(V)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)
19.00%	4.67	0.545	8.508	0.646	8.990
18.90%	4.64	0.544	8.479	0.644	8.972
18.80%	4.62	0.543	8.474	0.642	8.969
18.70%	4.60	0.542	8.471	0.641	8.959
18.60%	4.57	0.541	8.437	0.640	8.936
18.50%	4.55	0.540	8.432	0.639	8.910
18.40%	4.52	0.538	8.410	0.637	8.898
18.30%	4.50	0.538	8.370	0.636	8.876
18.20%	4.47	0.537	8.349	0.635	8.848
18.10%	4.45	0.536	8.309	0.634	8.818
18.00%	4.42	0.535	8.302	0.633	8.796

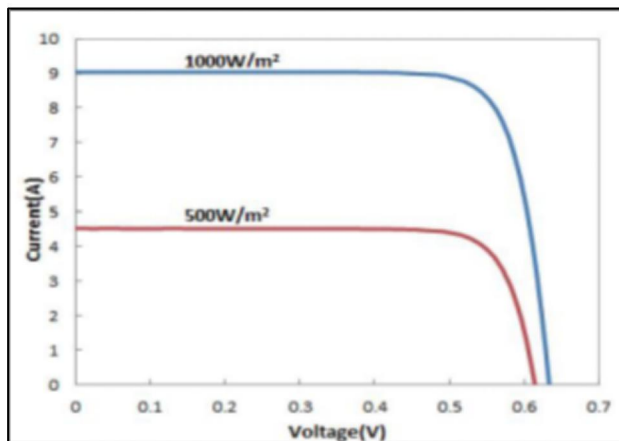
●Under standard test condition: 1000W/ m², AM 1.5G, 25°C

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

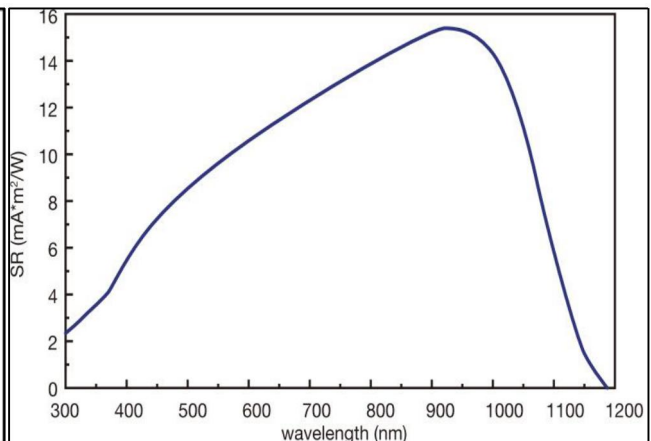
Temperature Coefficients >

Current Temperature Coefficient	Tk _{Current} : +0.05%/K
Voltage Temperature Coefficient	Tk _{Voltage} : -0.31 %/K
Power Temperature Coefficient	Tk _{Power} : -0.37%/K

IV Curve >



Spectral Response (SR) >



LIGHTWAY ENERGY TECHNOLOGY CO.,LIMITED

FAB 1: Huacheng/Huifu Rd,Jintan District,Changzhou,Jiangsu,P.R.China

FAB 2: Medicine Industrial Park,Yuangzhou District,Yichun,Jiangxi,P.R.China

FAB 3: Xicheng Industrial Park,Baotian Rd,Xixiang Town,Shenzhen,P.R.China



Version 2016.05 @2016 Lightway Energy Technology Co.,Limited All rights reserved.