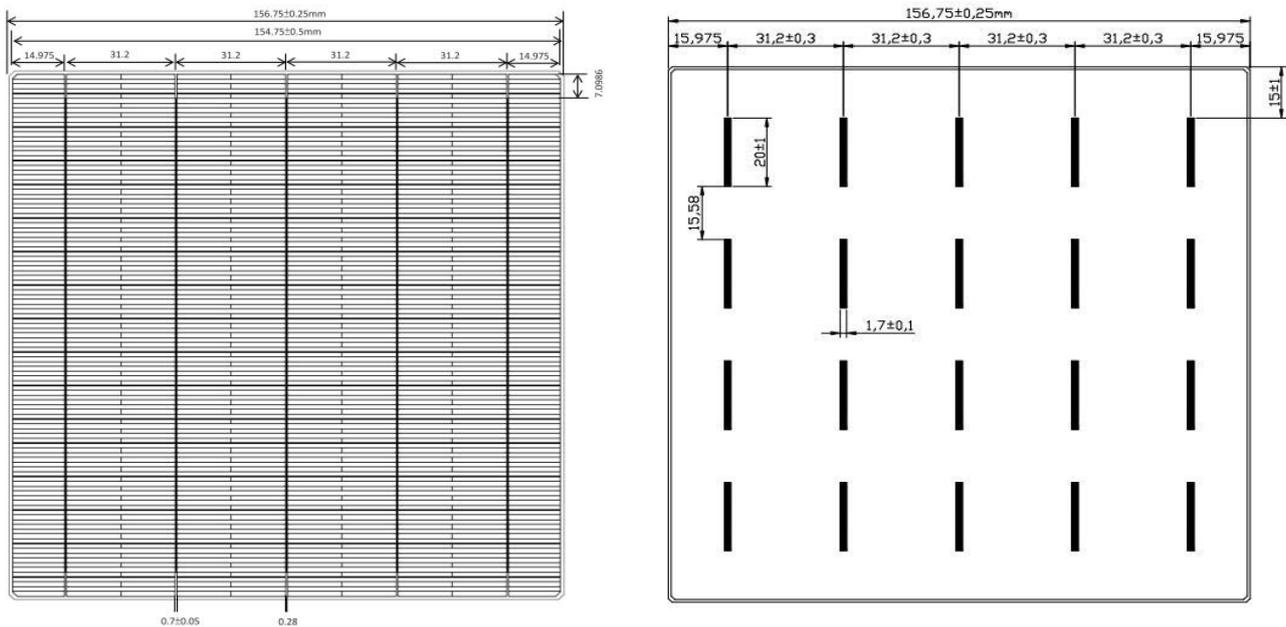


# LWP5BB-157

## Poly-crystalline Silicon Solar Cell



### Product Features >

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

### 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 CQC etc certificated



### Electric Performance >

Eff(%)	Pmpp(W)	Ump(V)	I <sub>mp</sub> (A)	U <sub>oc</sub> (V)	I <sub>sc</sub> (A)
19.30%	4.76	0.549	8.623	0.645	9.124
19.20%	4.72	0.548	8.616	0.643	9.091
19.10%	4.69	0.546	8.590	0.642	9.061
19.00%	4.67	0.545	8.560	0.641	9.027
18.90%	4.64	0.544	8.537	0.640	9.005
18.80%	4.62	0.542	8.516	0.638	8.985
18.70%	4.59	0.541	8.494	0.637	8.964
18.60%	4.57	0.539	8.473	0.635	8.945
18.50%	4.55	0.538	8.447	0.634	8.921
18.40%	4.52	0.537	8.421	0.632	8.897
18.30%	4.50	0.535	8.380	0.631	8.866

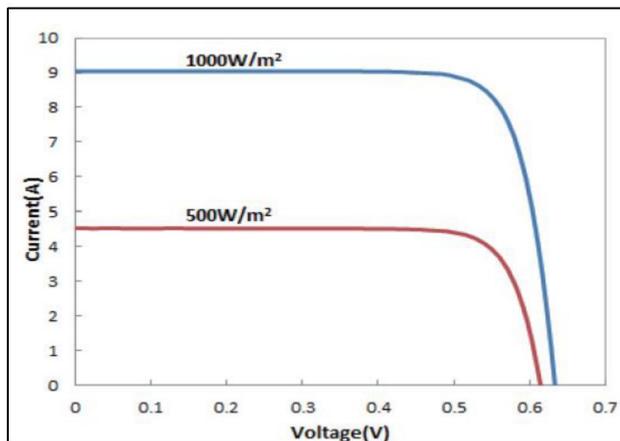
●Under standard test condition: 1000W/ m<sup>2</sup>, AM 1.5G, 25°C

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

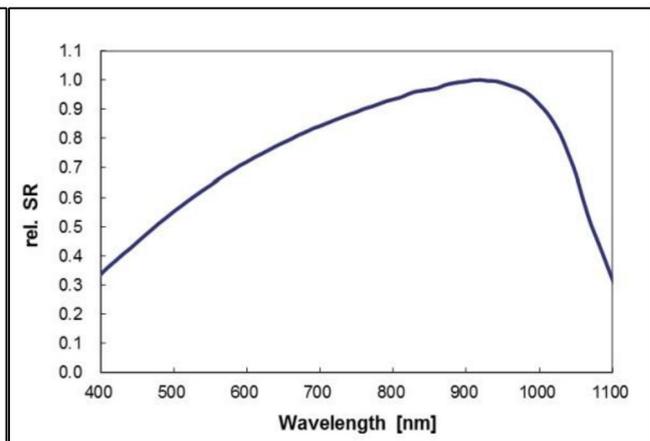
### Temperature Coefficients >

Current Temperature Coefficient	T <sub>kCurrent</sub> : +0.04%/K
Voltage Temperature Coefficient	T <sub>kVoltage</sub> : -0.31 %/K
Power Temperature Coefficient	T <sub>kPower</sub> : -0.39%/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 2020.02 @2020 Lightway Energy Technology Co., Limited All rights reserved.