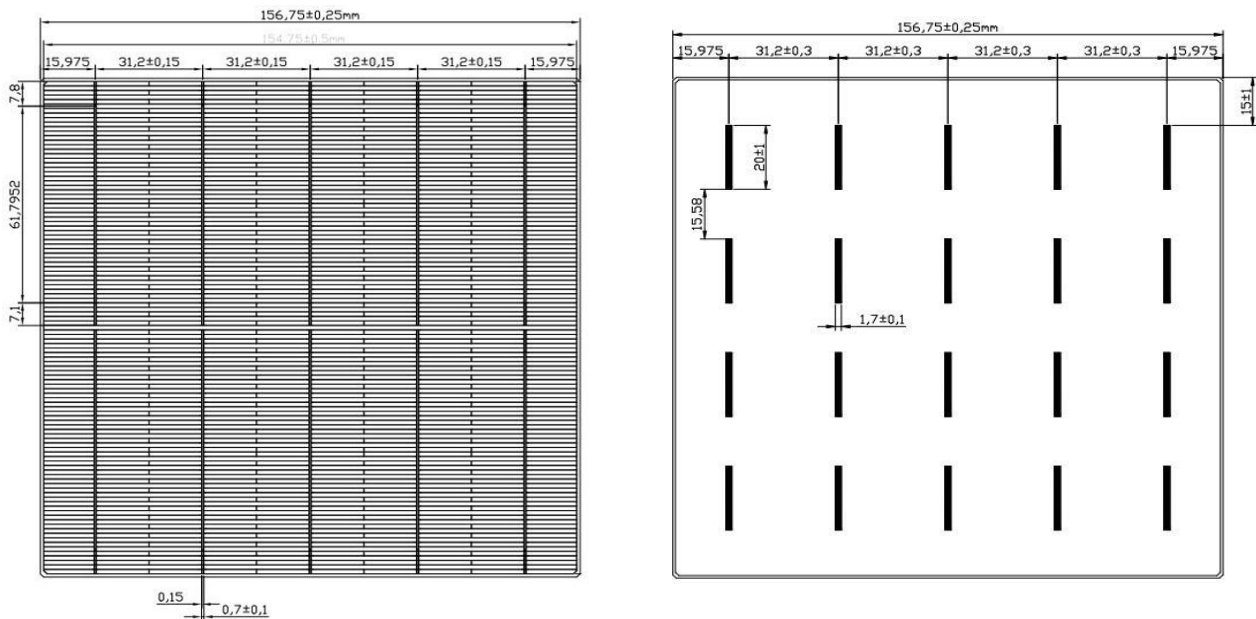


LWP5BB-157

PERC-Poly-crystalline Silicon Solar Cell



Product Features >

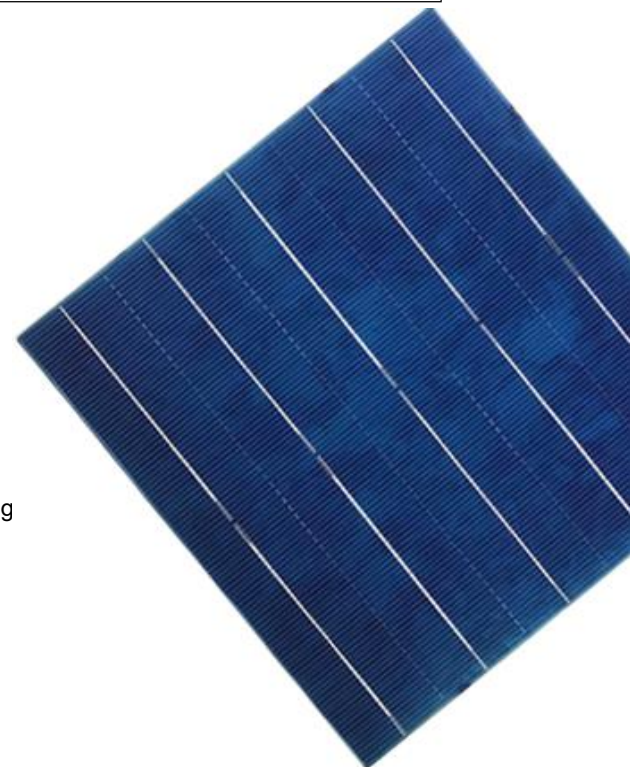
| | |
|--------------------|---|
| Dimension: | 156.75mmx156.75mm±0.25mm, Φ220.0mm±0.25mm |
| Thickness: | 200μm±20μm |
| Front side: | 0.7mm wide bus bars,Silicon nitride anti-reflection coating |
| Back side: | 1.7mm wide bus bars,Silicon nitride coating |

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 CE,CQC etc certificated



Electric Performance >

| Eff(%) | Pmpp(W) | Ump(V) | Imp(A) | Uoc(V) | Isc(A) |
|--------|---------|--------|--------|--------|--------|
| 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 |
| 19.10% | 4.69 | 0.535 | 8.812 | 0.636 | 9.331 |
| 19.00% | 4.67 | 0.534 | 8.780 | 0.635 | 9.298 |

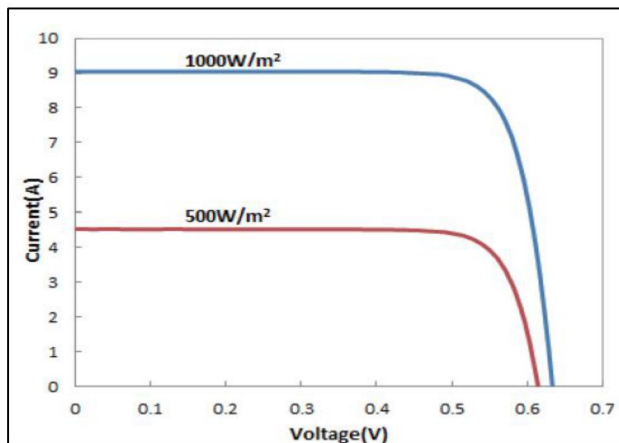
●Under standard test condition: 1000W/ m², AM 1.5G, 25°C

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

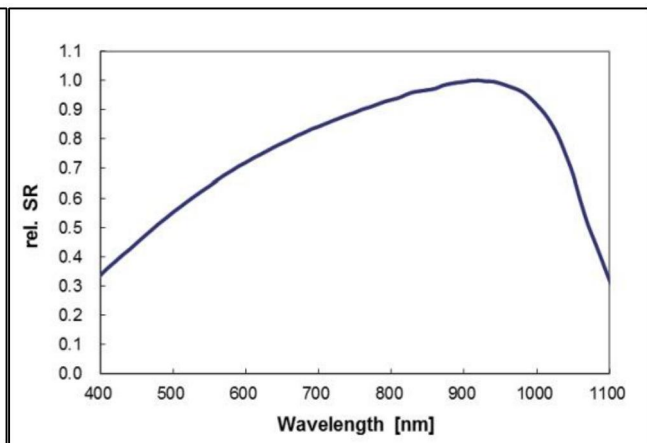
Temperature Coefficients >

| | |
|---------------------------------|-----------------------------------|
| Current Temperature Coefficient | Tk _{Current} : +0.05%/K |
| Voltage Temperature Coefficient | Tk _{Voltage} : -0.31 %/K |
| Voltage Temperature Coefficient | Tk _{Power} : -0.38%/K |

IV Curve >



Spectral Response (SR) >



LIGHTWAY ENERGY TECHNOLOGY 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



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