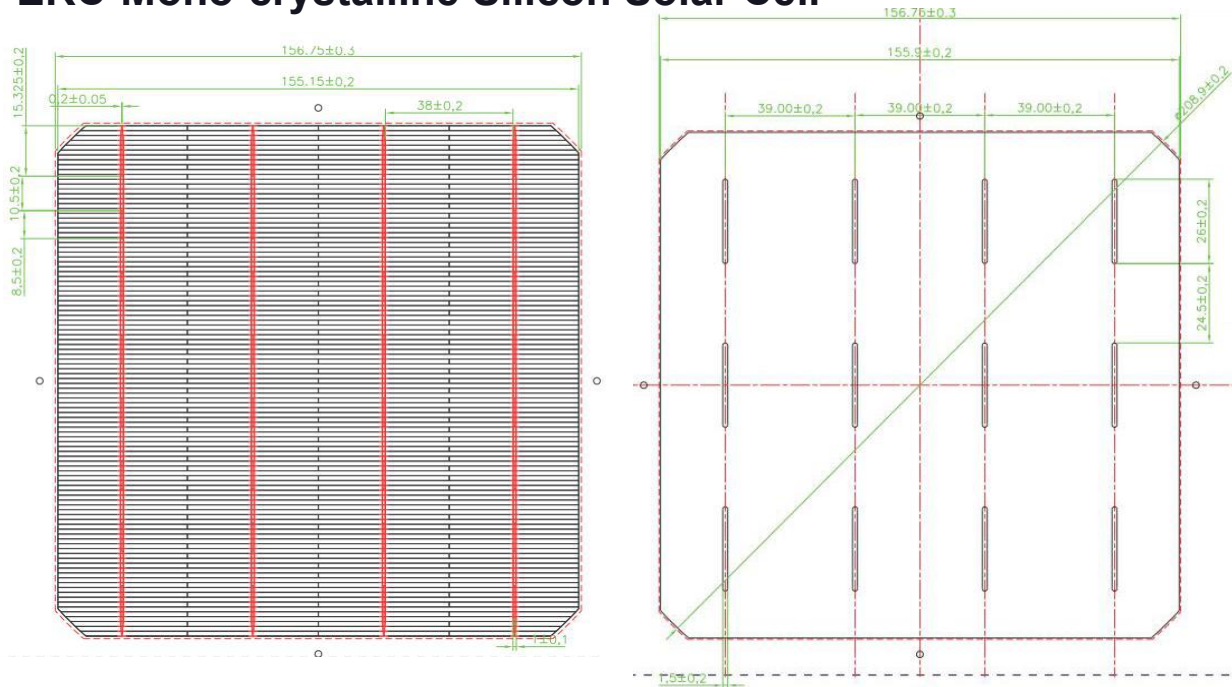


LWM4BB-210

PERC-Mono-crystalline Silicon Solar Cell



Product Features >

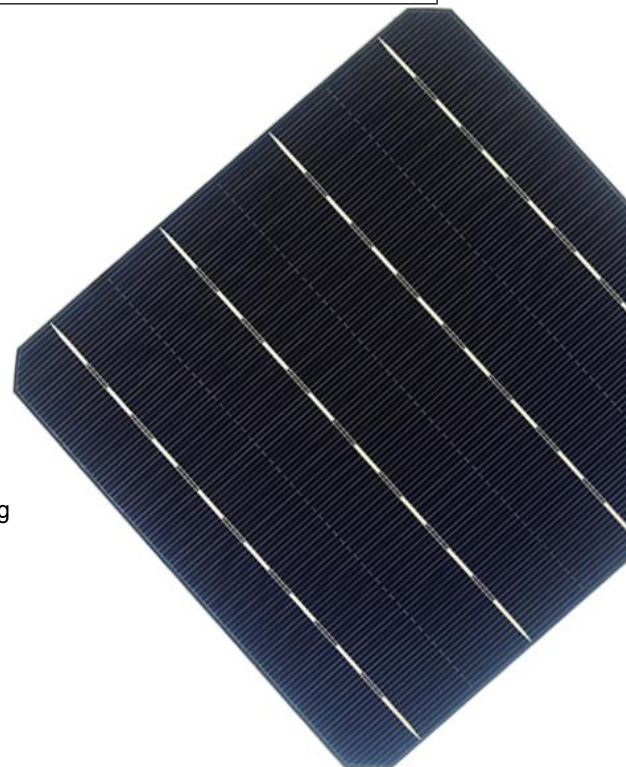
Dimension:	156.75mmx156.75mm±0.25mm, Φ210.0mm±0.25mm
Thickness:	200μm±20μm
Front side:	1.0mm wide bus bars,Silicon nitride anti-reflection coating
Back side:	1.5mm wide bus bars,Silicon nitride coating

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 certificated



Electric Performance >

Eff(%)	Pmpp(W)	Ump(V)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)
21.80%	5.33	0.570	9.353	0.668	9.889
21.70%	5.30	0.568	9.327	0.666	9.864
21.60%	5.28	0.567	9.301	0.665	9.835
21.50%	5.25	0.566	9.275	0.664	9.805
21.40%	5.23	0.565	9.250	0.664	9.776
21.30%	5.20	0.564	9.233	0.662	9.761
21.20%	5.18	0.563	9.214	0.661	9.746
21.10%	5.16	0.561	9.194	0.660	9.728
21.00%	5.13	0.560	9.174	0.659	9.711
20.90%	5.11	0.559	9.158	0.658	9.697
20.80%	5.08	0.557	9.145	0.657	9.684

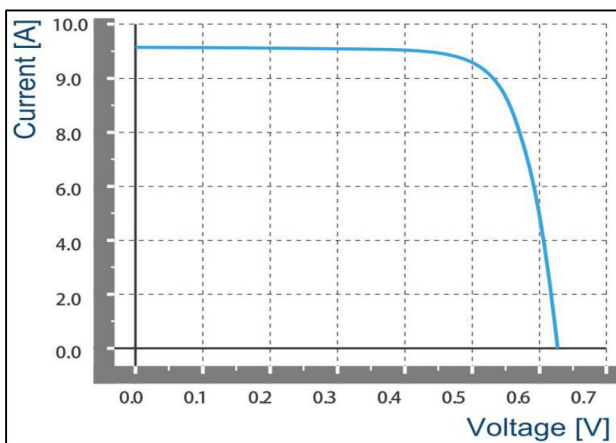
●Under standard test condition: 1000W/ m², AM 1.5G, 25°C

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

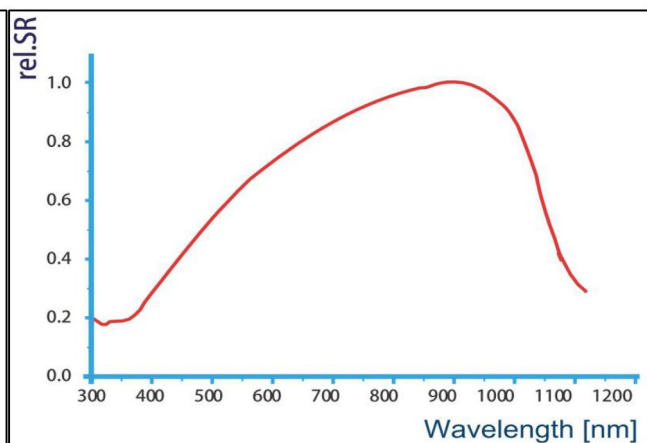
Temperature Coefficients >

Current Temperature Coefficient	T _{kCurrent} : +0.04%/K
Voltage Temperature Coefficient	T _{kVoltage} : -0.31 %/K
Voltage Temperature Coefficient	T _{kPower} : -0.41%/K

IV Curve >



Spectral Response (SR) >

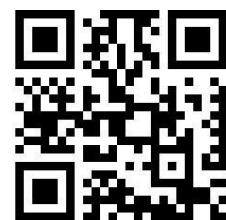


LIGHTWAY ENERGY TECHNOLOGY LIMITED

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



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