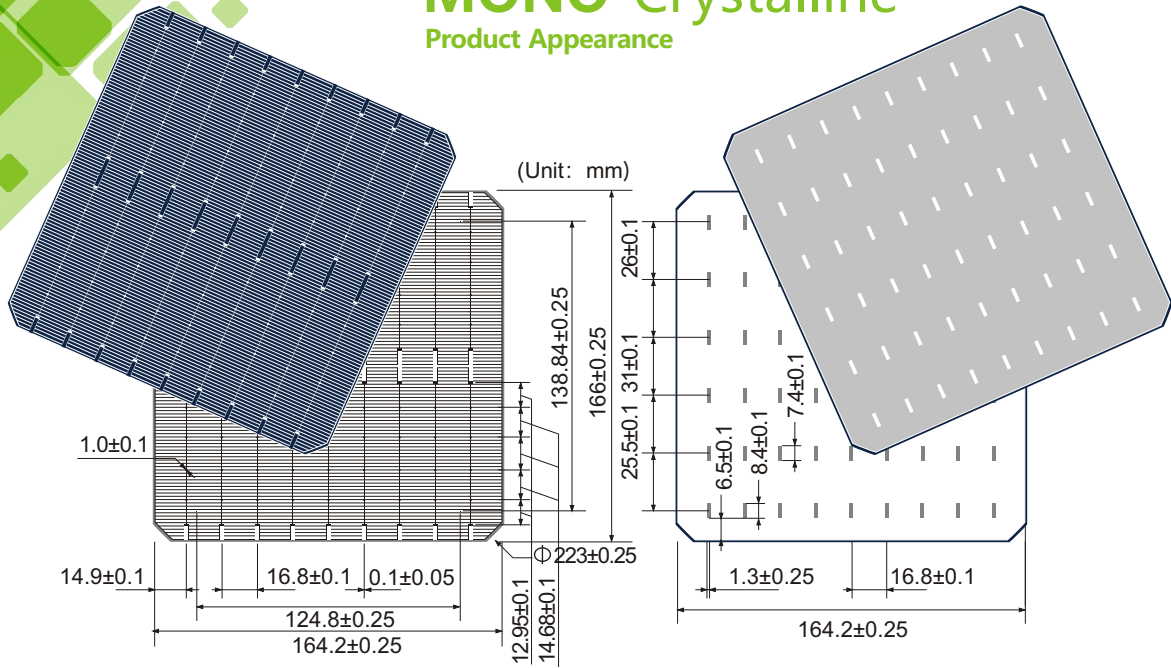


PERC SE Solar Cell

# LHHC166M-9BB

MONO-Crystalline

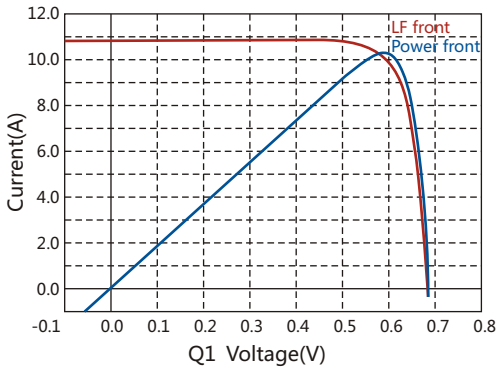
Product Appearance



## Technical Data and Design

Dimension	166mm × 166mm±0.25mm
Thickness	190±30µm
Front	9 busbars(silver), width 0.1±0.03mm, 124 finger grids, Blue anti-reflecting coating(silicon nitride)
Back(+)	width of back electrode(silver) 1.3±0.25mm, Back surface field (aluminum), dotted laser design

## IV Curve



## Solder Ability

Peel strength Minimum ≥1.4N/mm

Results may be different due to different ribbons, soldering methods and parameters.

## Electrical Performance Parameters

	Efficiency (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
TkVoltage : -0.36 %/K	22.9	6.28	0.5943	10.563	0.6817	11.139	82.67
TkCurrent : +0.07%/K	22.8	6.25	0.5925	10.550	0.6803	11.124	82.60
TkPower : -0.38%/K	22.7	6.22	0.5902	10.544	0.6784	11.119	82.51
Rsh ≥ 35Ω, Irev2 ≤ 0.8A	22.6	6.20	0.5885	10.529	0.6770	11.103	82.43
	22.5	6.17	0.5866	10.515	0.6761	11.089	82.27
	22.4	6.14	0.5848	10.502	0.6746	11.077	82.18
	22.3	6.11	0.5829	10.488	0.6732	11.060	82.11
Intensity(W/m2)	Voc	Isc					
1000	1.000	1.000					
900	0.996	0.903					
800	0.991	0.803					
600	0.988	0.602					
400	0.962	0.403					
Take the Voc (Isc) at 1000W/m <sup>2</sup> as the standard, test the range of Voc (Isc) decrease with light intensity.	21.7	5.95	0.5714	10.411	0.6610	10.964	82.08
	21.6	5.92	0.5709	10.373	0.6609	10.944	81.87
	21.5	5.89	0.5678	10.382	0.6601	10.940	81.62

STC (Standard Testing Conditions) : 1000W/m<sup>2</sup>, AM1.5, 25°C

Technical parameters above-mentioned subjects to technical changes and tests.

LH Energy reserves the right of final interpretation.



LIGHT & HOPE

**COMPANY NAME:** LIGHT & HOPE ENERGY CO.,LTD

**FACTORY ADD:** 88/24-25 MOO 15. BANGSAOTHONG SUB- DISTRICT.

BANGSAOTHONG DISTRICT SAMUT PRAKARN THAILAND 10570

**TAX ID:** 0115562029595 **TEL:** +66 02 0001217 **Email:** sales@lh-solar.com

**Website:** www.lighthopeenergy.com