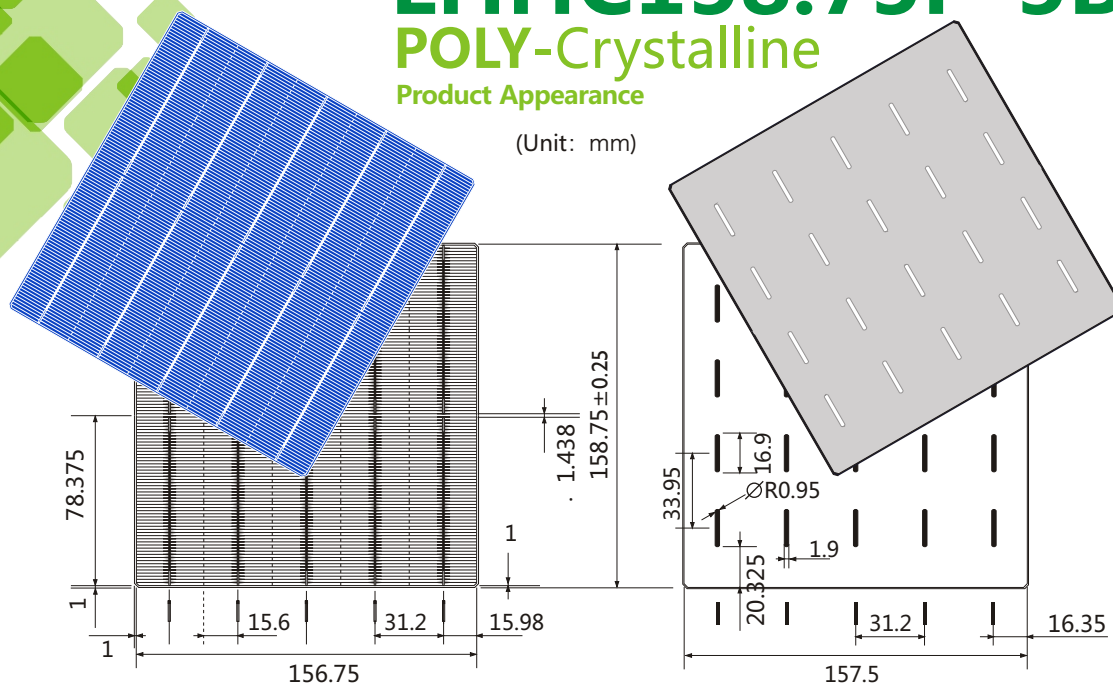


DW Solar Cell

LHHC158.75P-5BB

POLY-Crystalline

Product Appearance



(Unit: mm)

Technical Data and Design

Dimension	158.75mm × 158.75mm±0.25mm
Thickness	180±20μm
Front	5 busbars(silver), width 0.7±0.03mm, 108 finger grids, Blue anti-reflecting coating(silicon nitride)
Back(+)	width of back electrode(silver) 1.9±0.25mm, Back surface field (aluminum), dotted laser design

TkVoltage : -0.33 %/°C

TkCurrent : +0.06%/°C

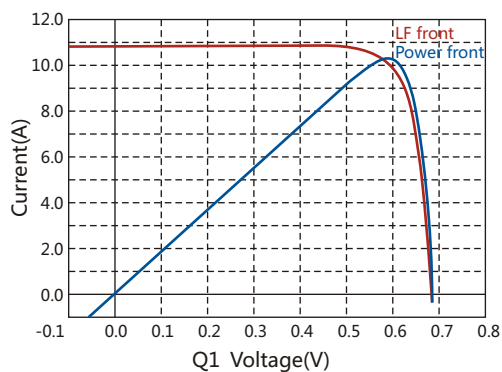
TkPower : -0.40%/°C

Rsh ≥ 35Ω , Irev2 ≤ 0.8A

Electrical Performance Parameters

Efficiency (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
19.1	4.81	0.551	8.78	0.643	9.282	80.64
19.0	4.79	0.549	8.75	0.642	9.249	80.63
18.9	4.76	0.547	8.72	0.641	9.216	80.62
18.8	4.74	0.545	8.69	0.640	9.193	80.52
18.7	4.71	0.544	8.67	0.639	9.169	80.43
18.6	4.69	0.542	8.66	0.637	9.157	80.35
18.5	4.66	0.541	8.63	0.636	9.134	80.25
18.4	4.64	0.539	8.62	0.634	9.115	80.23
18.3	4.61	0.538	8.59	0.633	9.088	80.16
18.2	4.59	0.536	8.57	0.631	9.070	80.12
18.1	4.56	0.535	8.54	0.630	9.044	80.08

IV Curve



Light Intensity Dependence

Intensity(W/m2)	Voc	Isc
1000	1.000	1.00
800	0.99	0.79
600	0.981	0.59
400	0.96	0.38
200	0.93	0.18

Take the Voc (Isc) at 1000W/m² as the standard, test the range of Voc (Isc) decrease with light intensity.

STC (Standard Testing Conditions) :
1000W/m², AM1.5, 25°C

Technical parameters above-mentioned subjects to technical changes and tests.
LH Energy reserves the right of final interpretation.

Solder Ability

Peel strength Minimum ≥1.4N/mm

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



LIGHT & HOPE

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