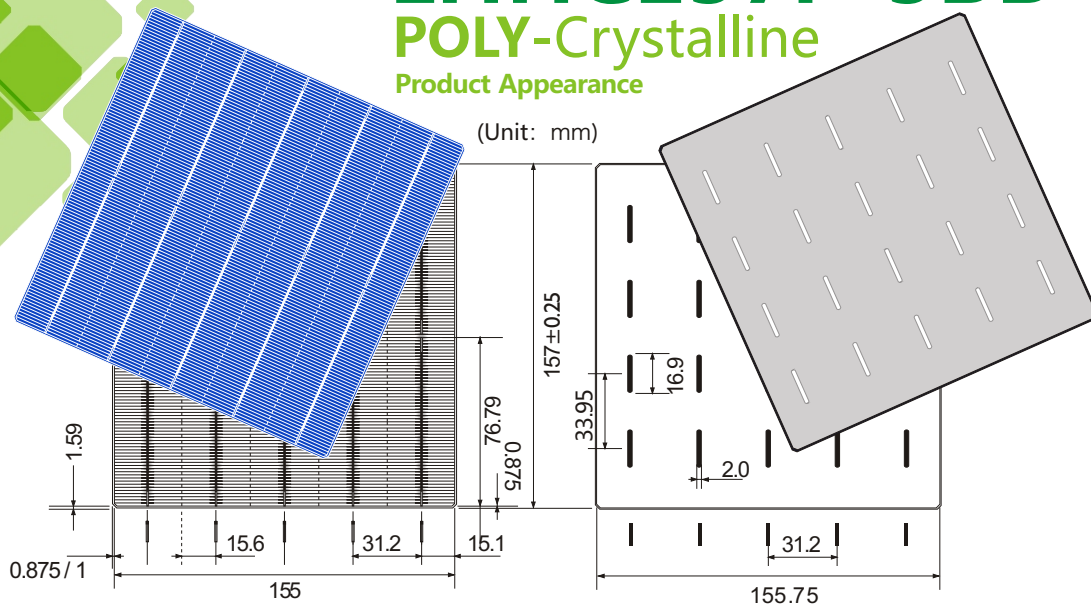


PERC / MCCE / DW Solar Cell

# LHHC157P-5BB

POLY-Crystalline

Product Appearance



## Technical Data and Design

Dimension	157mm × 157mm±0.25mm
Thickness	180±18μm
Front	5 busbars(silver), width 0.7±0.03mm, 108 finger grids, Blue anti-reflecting coating(silicon nitride)
Back(+)	width of back electrode(silver) 2±0.25mm, Back surface field (aluminum), dotted laser design

TkVoltage : -0.33 %/°C

TkCurrent : +0.06%/°C

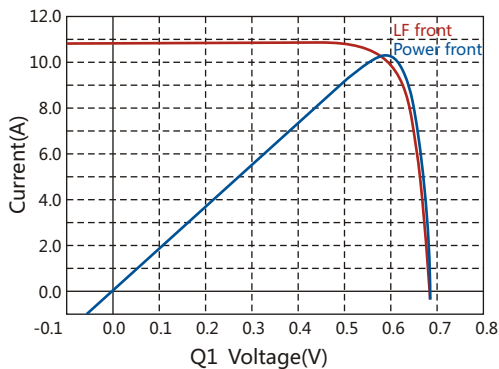
TkPower : -0.40%/°C

Rsh ≥ 35Ω , Irev2 ≤ 0.8A

## Electrical Performance Parameters

Efficiency (%)	Pmpp (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
19.70	4.84	0.551	8.784	0.653	9.321	79.52
19.60	4.82	0.550	8.757	0.652	9.294	79.48
19.50	4.79	0.549	8.727	0.651	9.263	79.45
19.40	4.77	0.548	8.701	0.650	9.239	79.38
19.30	4.74	0.547	8.669	0.649	9.209	79.34
19.20	4.72	0.546	8.639	0.648	9.180	79.30
19.10	4.69	0.545	8.611	0.647	9.156	79.22
19.00	4.67	0.544	8.581	0.646	9.130	79.15
18.90	4.64	0.543	8.553	0.645	9.102	79.11
18.80	4.62	0.542	8.522	0.644	9.074	79.05
18.70	4.59	0.541	8.494	0.643	9.047	78.99
19.30	4.74	0.545	8.72	0.640	9.22	80.55
19.20	4.72	0.544	8.70	0.639	9.20	80.46
19.10	4.70	0.542	8.68	0.637	9.18	80.44
19.00	4.68	0.541	8.64	0.636	9.16	80.43
18.90	4.64	0.547	8.50	0.641	9.00	80.62
18.80	4.62	0.545	8.48	0.640	8.98	80.52
18.70	4.60	0.544	8.48	0.639	8.96	80.43
18.60	4.58	0.542	8.46	0.637	8.96	80.35
18.50	4.56	0.541	8.44	0.636	8.94	80.25
18.40	4.52	0.539	8.42	0.634	8.92	80.23
18.30	4.50	0.538	8.40	0.633	8.90	80.16
18.20	4.48	0.536	8.38	0.631	8.88	80.08
18.10	4.46	0.535	8.34	0.630	8.86	79.82

## IV Curve



## Light Intensity Dependence

Intensity(W/m <sup>2</sup> )	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/m<sup>2</sup> as the standard, test the range of Voc (Isc) decrease with light intensity.

## Solder Ability

Peel strength Minimum ≥1.4N/mm

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

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.



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