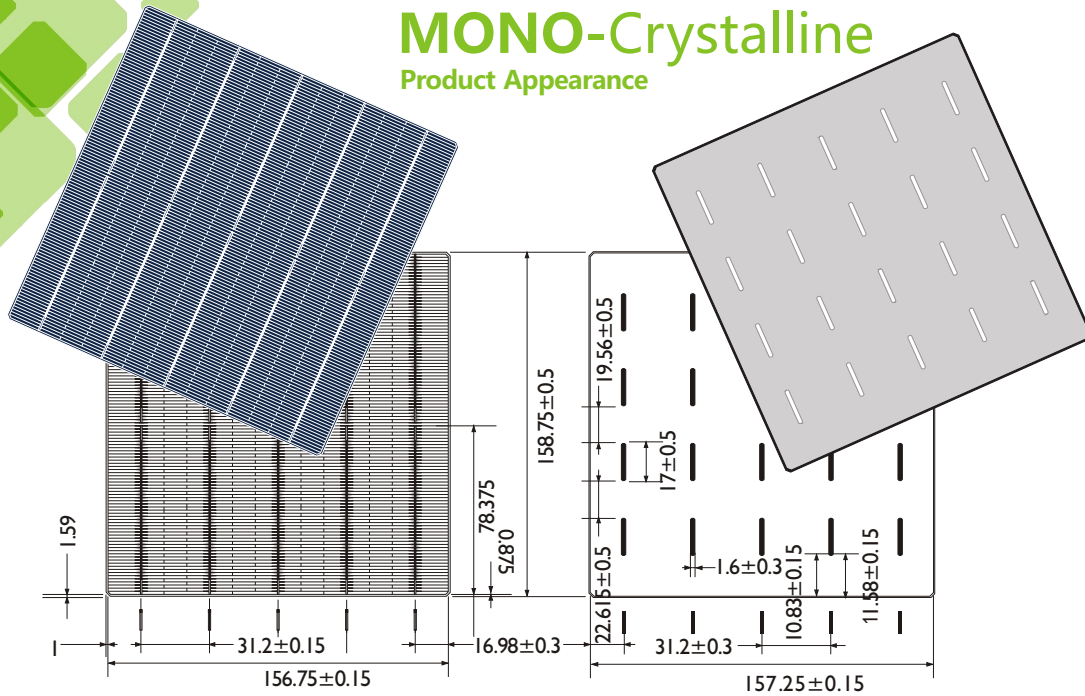


PERC SE Solar Cell

LHC158.75M-5BB

MONO-Crystalline

Product Appearance



Technical Data and Design

Dimension	158.75mm × 158.75mm±0.25mm
Thickness	175±17.5μm
Front	5 busbars(silver), width 0.7±0.1mm, 116 finger grids, Blue anti-reflecting coating(silicon nitride)
Back(+)	width of back electrode(silver) 1.6±0.3mm, Back surface field (aluminum), dotted laser design

TkVoltage : -0.3 %/°C

TkCurrent : +0.06%/°C

TkPower : -0.39%/°C

Rsh ≥ 35Ω , Irev2 ≤ 0.8A

Electrical Performance Parameters

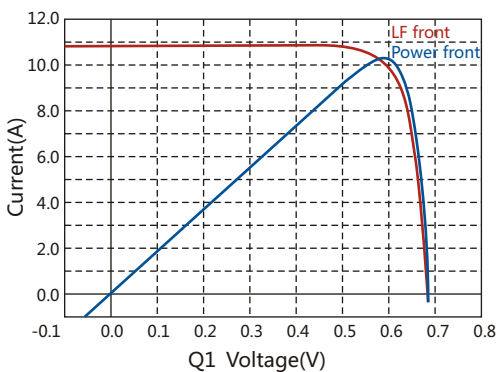
Efficiency (%)	Pmpp (W)	Vmpp (V)	Ipp (A)	Voc (V)	Isc (A)	FF (%)
22.5	5.67	0.537	9.65	0.6213	10.298	80.99
22.4	5.64	0.535	9.63	0.6209	10.255	80.95
22.3	5.62	0.534	9.62	0.6203	10.231	80.93
22.2	5.59	0.533	9.59	0.6215	10.162	80.89
22.1	5.57	0.532	9.57	0.6210	10.137	80.86
22.0	5.54	0.530	9.56	0.6198	10.116	80.83
21.9	5.52	0.529	9.54	0.6195	10.079	80.79
21.8	5.49	0.527	9.53	0.6171	10.073	80.70
21.7	5.47	0.525	9.52	0.6167	10.056	80.61
21.6	5.44	0.523	9.51	0.6154	10.051	80.45
21.5	5.42	0.521	9.50	0.6145	10.036	80.30

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.

IV Curve



Light Intensity Dependence

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/m²
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.



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