



P-Type Mono Bifacial Cell

HSC182-10D10B



Product Feature

- High conversion efficiency $\geq 23.3\%$
 - Bifaciality $\geq 70\%$
 - LID (Light Induced Degradation) $\leq 2.5\%$
 - High resistance of PID (Potential Induced Degradation)
 - Power temperature coefficient $\leq -0.35\%/K$
 - Weak light response ($200W/m^2$) $\geq 95\%$
 - Lower CTM loss, better for the high efficiency module
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Quality Control

- Efficiency test accuracy is $\pm 0.1\%$
 - 100% automatic inspection of IV/EL/Appearance
 - Calibration Cell source to Fraunhofer ISE
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Management System Certification

- ISO 9001:2015 Quality Management System
 - ISO 14001:2015 Environmental Management System
 - ISO 45001:2018 Occupational Health and Safety Management System
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Product Features

Dimension	182mmx182mm±0.25mm, Φ247mm±0.25mm
Cell Thickness	175μm±20μm
Front side	Adopt 10 bus bars two-slice structure, pad point width 1.0mm-1.5mm, 136±10 fingers, and the front side is covered with SiN anti-reflection film
Back side	The back bus bars is 1.9 ±0.4mm, covering the fingers

Temperature Coefficients

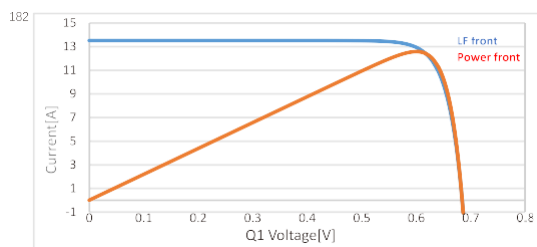
Current Temperature Coefficient	Tkcurrent: +0.048 %/K
Voltage Temperature Coefficient	Tkvoltage: -0.28 %/K
Power Temperature Coefficient	Tkpower: -0.35 %/K

Electrical Data

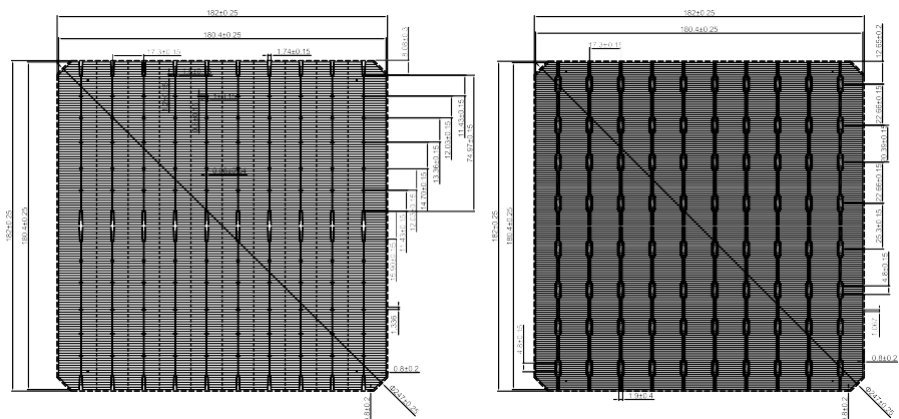
Eff(%)	Pmpp(W)	Ump(V)	I _{mp} (A)	U _{oc} (V)	I _{sc} (A)	FF(%)
23.3	7.69	0.613	12.549	0.690	13.583	82.08
23.2	7.66	0.612	12.515	0.689	13.568	81.93
23.1	7.63	0.611	12.482	0.688	13.551	81.80
23.0	7.59	0.611	12.428	0.688	13.498	81.77
22.9	7.56	0.610	12.394	0.687	13.479	81.65
22.8	7.53	0.610	12.340	0.687	13.449	81.47
22.7	7.49	0.608	12.326	0.686	13.419	81.41
22.6	7.46	0.607	12.292	0.686	13.407	81.13
22.5	7.43	0.607	12.238	0.685	13.397	80.95
22.4	7.40	0.606	12.204	0.685	13.388	80.64
22.3	7.36	0.605	12.169	0.684	13.358	80.58

● Standard Test Conditions: 1000W/ m², AM 1.5, 25°C Specifications and data are only for reference.

IV Curve



Dimension



Front side

Rear side

Spectral Response (SR)

Intensity(W/m ²)	U _{oc}	I _{sc}
1000	1.000	1.000
800	0.991	0.801
600	0.989	0.601
400	0.962	0.402