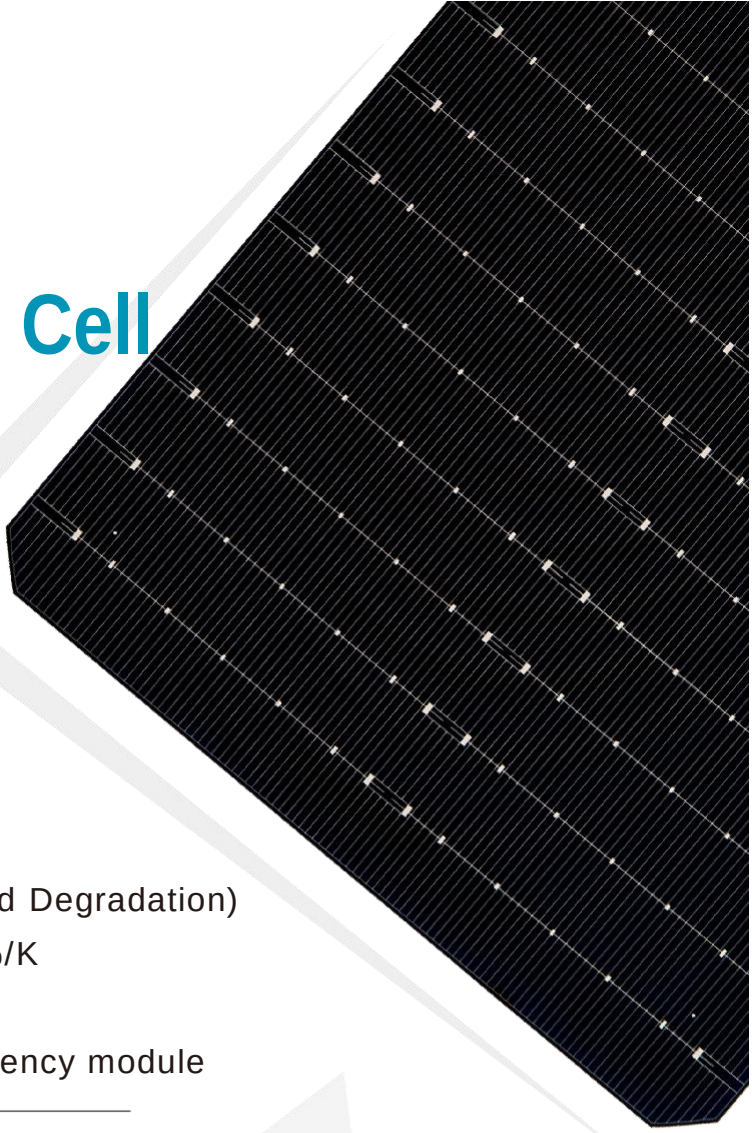
P-Type Mono Bifacial Cell

HSC166-6D9B



Product Feature

High conversion efficiency ≥ 23.0%
Bifaciality ≥70%
LID (Light Induced Degradation) ≤2.5%
High resistance of PID (Potential Induced Degradation)
Power temperature coefficient ≤−0.35%/K
Weak light response (200W/m²) ≥95%
Lower CTM loss, better for the high efficiency module

Quality Control

Efficiency test accuracy is ±0.1%
100% automatic inspection of IV/EL/Appearance
Calibration Cell soure to Fraunhofer ISE

Management System Certification

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

Product Features

Dimension	166mmx166mm±0.25mm, Φ223mm±0.25mm
Cell Thickness	175μm±20μm
Front side	0.06±0.03mm wide bus bars, 128 fingers, SiN
Back side	1.8±0.4mm discontinous back electrode(6 sections) 144 Aluminum fingers, SiN

Temperature Coefficients

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

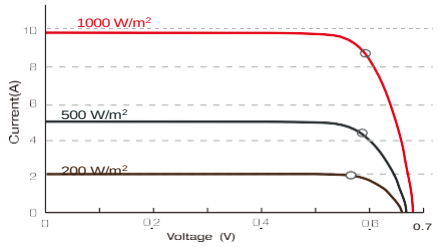
Electrical Data

Eff(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
23.0	6.31	0.594	10.615	0.688	11.212	81.74
22.9	6.28	0.592	10.605	0.687	11.199	81.60
22.8	6.25	0.590	10.594	0.686	11.196	81.38
22.7	6.22	0.588	10.584	0.685	11.182	81.25
22.6	6.20	0.587	10.555	0.684	11.161	81.16
22.5	6.17	0.585	10.544	0.683	11.145	81.03
22.4	6.14	0.584	10.515	0.682	11.128	80.92
22.3	6.11	0.583	10.486	0.681	11.115	80.81
22.2	6.09	0.582	10.457	0.680	11.076	80.77
22.1	6.06	0.581	10.428	0.679	11.060	80.68
22.0	6.03	0.580	10.399	0.678	11.034	80.62

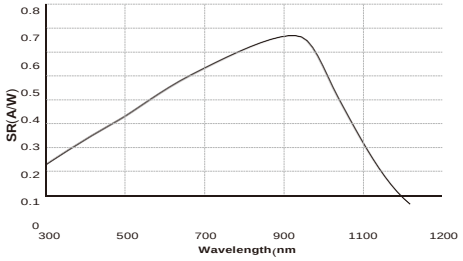
- Standard Test Conditions:1000W/ m², AM 1.5, 25°C

Specifications and data are only for reference.

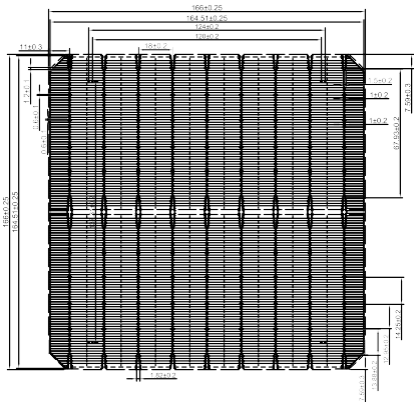
IV Curve



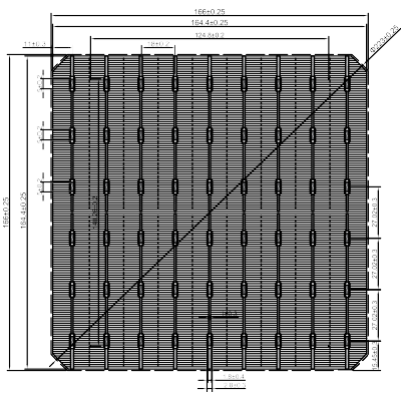
Spectral Response(SR)



Dimension



Front side



Rear side