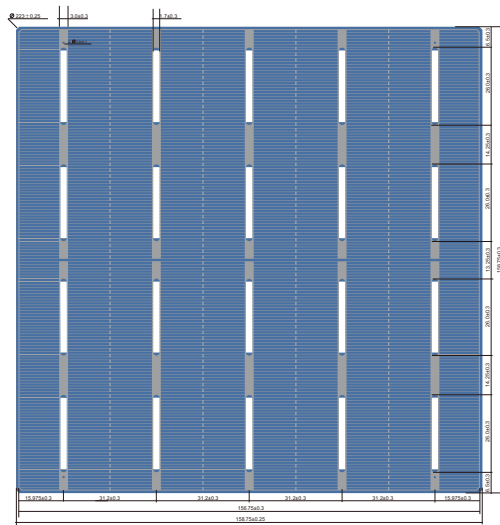
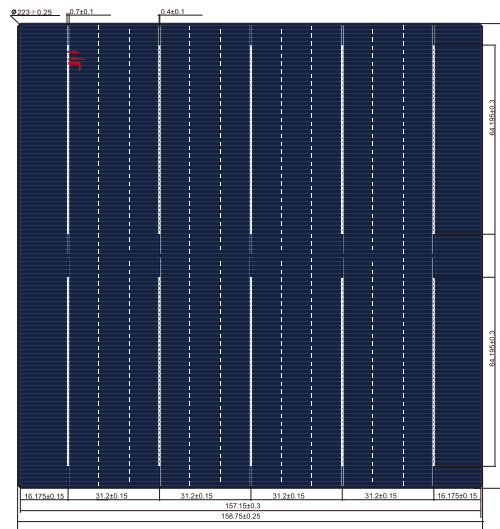


DMBD5B159-223

MONO PERC CELL



BASIC INFORMATION

Format	158.75mm×158.75mm±0.25mm
Diameter	223mm±0.25mm
Thickness	190μm±30μm(Exclude of the front silver)
Front(-)	0.7mm wide bus bars, 116 fingers, Blue SiNx anti-reflecting coating.
Back(+)	1.7mm wide Ag soldering pads embedded in the 3.0mm wide aluminum bus bars,160 fingers.

ELECTRICAL PARAMETERS

Efficiency NCell(%)	Maximum power Pmpp(W)	Peak voltage Vmp(V)	Peak current Imp(A)	Open-circuit voltage Voc(V)	Short-circuit current Isc(A)
≥22.4	5.64	0.571	9.869	0.682	10.358
22.3-22.4	5.62	0.570	9.855	0.681	10.335
22.2-22.3	5.59	0.570	9.829	0.680	10.314
22.1-22.2	5.57	0.569	9.803	0.679	10.286
22.0-22.1	5.54	0.568	9.800	0.677	10.273
21.9-22.0	5.52	0.566	9.787	0.676	10.262
21.8-21.9	5.49	0.565	9.762	0.675	10.245
21.7-21.8	5.47	0.564	9.731	0.674	10.221
21.6-21.7	5.44	0.563	9.698	0.673	10.195
21.5-21.6	5.42	0.562	9.672	0.672	10.181
21.4-21.5	5.39	0.560	9.673	0.671	10.143

Note: Bifacial ratio($P_{mp\text{ rear}}/P_{mp\text{ front}}, I_{sc\text{ rear}}/I_{sc\text{ front}}$)_{min} ≥ 70%
 Note: All the data above mentioned are collected by DMEGC technical team based on current production and testing conditions. All rights reserved by DMEGC.

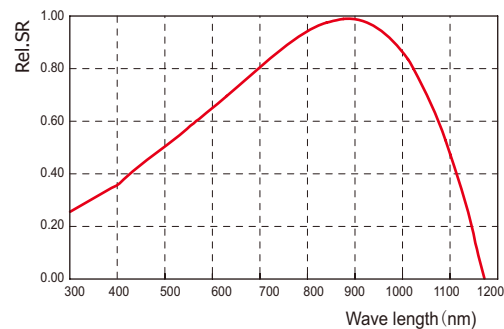
INTENSITY DEPENDENCE

Irradiance [W/m ²]	Open-circuit voltage [%]	Short-circuit current [%]	Maximum power [%]
1000	100.00	100.00	100.00
800	99.10	80.08	80.24
600	97.84	60.00	59.99
400	96.22	40.00	39.68
200	93.32	19.98	19.30

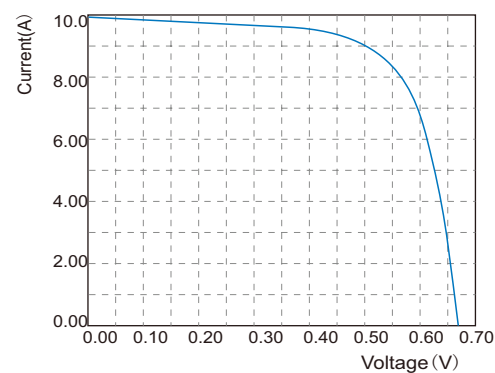
TEMPERATURE CHARACTERISTICS

ITEM	UNIT	VALUE
α_{Isc}	[%/°C]	0.060
β_{Voc}	[%/°C]	-0.300
γ_{Pmax}	[%/°C]	-0.390

SPECTRAL RESPONSE



I-V CURVE



QUALITY ASSURANCE



ISO 9001



ISO 14001



Fraunhofer

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