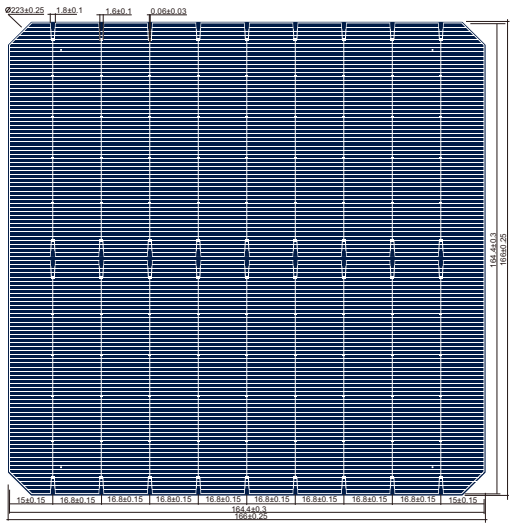
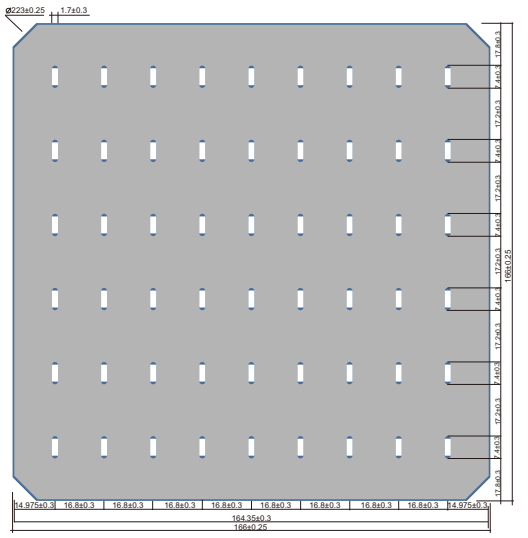
DMPD9B166-223
MONO PERC CELL

DMEGC





BASIC INFORMATION

Format	166mm×166mm±0.25mm
Diameter	223mm±0.25mm
Thickness	190μm±30μm(Exclude of the front silver)
Front(-)	0.06mm wide bus bars, 116 fingers,Blue SiNx anti-reflecting coating.
Back(+)	1.7mm wide soldering pads(Silver), Back surface field (Aluminium).

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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	6.14	0.589	9.576	0.680	11.071
22.3-22.4	6.11	0.587	9.574	0.678	11.068
22.2-22.3	6.09	0.585	9.556	0.677	11.057
22.1-22.2	6.06	0.583	9.554	0.676	11.050
22.0-22.1	6.03	0.581	9.535	0.674	11.042
21.9-22.0	6.00	0.579	9.534	0.672	11.033
21.8-21.9	5.98	0.577	9.515	0.671	11.020
21.7-21.8	5.95	0.575	9.513	0.670	11.013
21.6-21.7	5.92	0.573	9.494	0.669	11.006
21.5-21.6	5.89	0.571	9.492	0.668	11.000
21.4-21.5	5.87	0.569	9.473	0.667	10.978

Note: All the data above mentioned are collected by DMEGC technical team based on current production and testing conditions. All rights reserved by DMEGC.

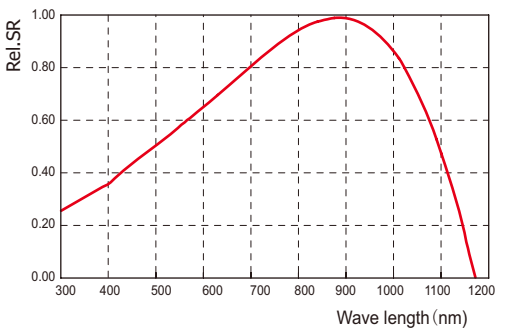
INTENSITY DEPENDENCE

Irradiance [W/㎡]	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

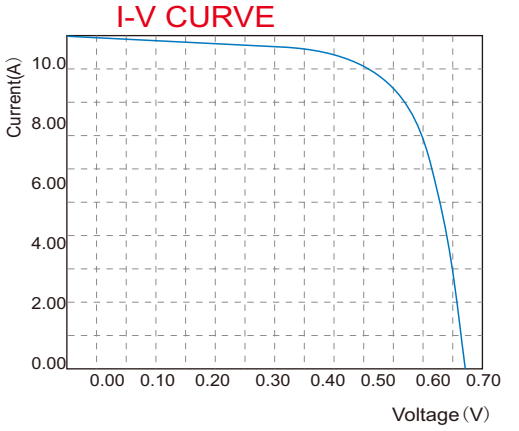
TEMPERATURE CHARACTERISTICS

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

SPECTRAL RESPONSE



I-V CURVE



QUALITY ASSURANCE

ISO 9001 ISO 14001

Fraunhofer

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