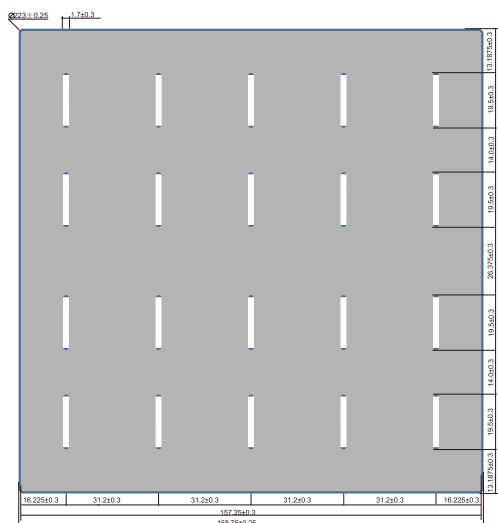
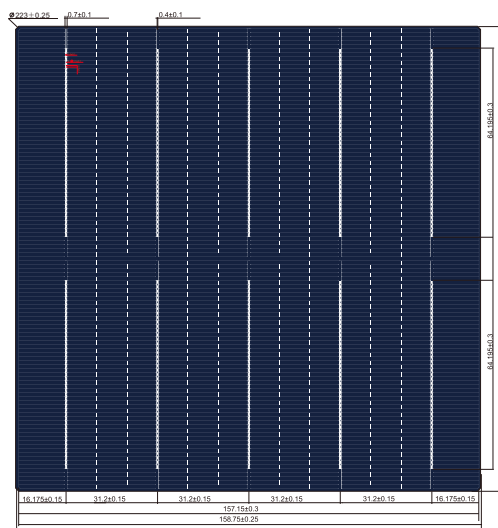


DMPD5B159-223

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 soldering pads(Silver), Back surface field (Aluminium).

ELECTRICAL PARAMETERS

Efficiency	Maximum power	Peak voltage	Peak current	Open-circuit voltage	Short-circuit current
NCell(%)	Pmpp(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)
≥22.4	5.64	0.584	9.665	0.684	10.152
22.3-22.4	5.62	0.584	9.638	0.683	10.140
22.2-22.3	5.59	0.583	9.619	0.682	10.125
22.1-22.2	5.57	0.581	9.602	0.681	10.110
22.0-22.1	5.54	0.580	9.590	0.680	10.100
21.9-22.0	5.52	0.578	9.580	0.678	10.092
21.8-21.9	5.49	0.576	9.564	0.676	10.084
21.7-21.8	5.47	0.574	9.554	0.675	10.077
21.6-21.7	5.44	0.573	9.532	0.674	10.063
21.5-21.6	5.42	0.572	9.508	0.673	10.051
21.4-21.5	5.39	0.571	9.462	0.673	10.038

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

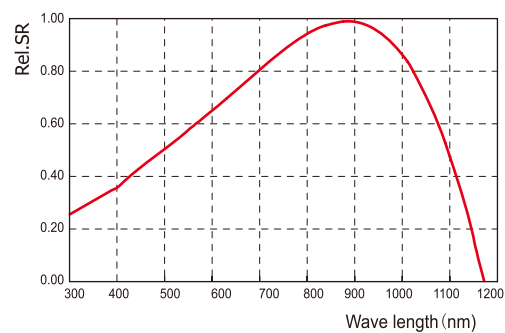
INTENSITY DEPENDENCE

Irradiance	Open-circuit voltage	Short-circuit current	Maximum power
[W/m ²]	[%]	[%]	[%]
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

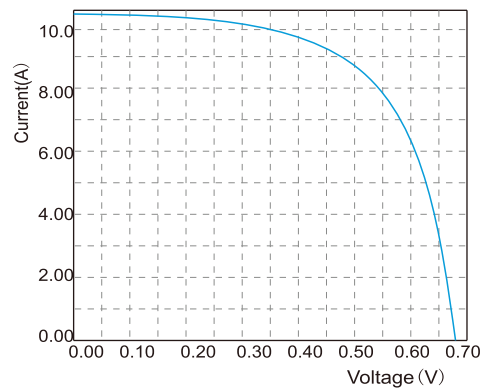
TEMPERATURE CHARACTERISTICS

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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