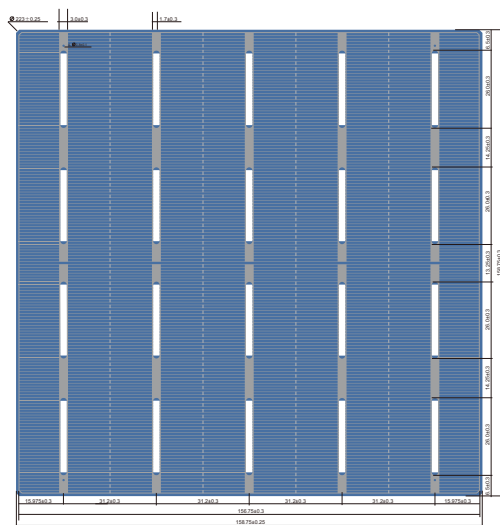
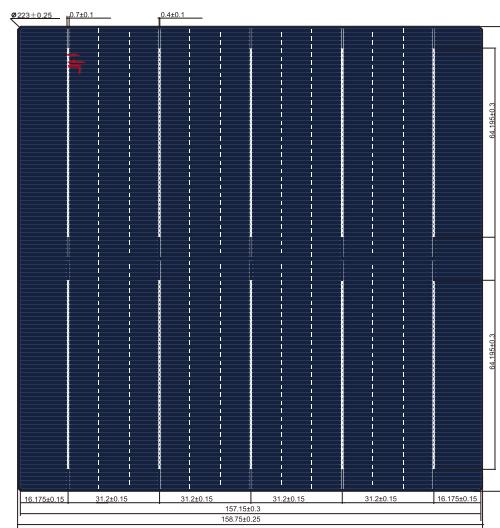


DMBD5B159-223

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($P_{mp\text{pp rear}}/P_{mp\text{pp front}}, I_{sc\text{ rear}}/I_{sc\text{ front}}$)_{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.

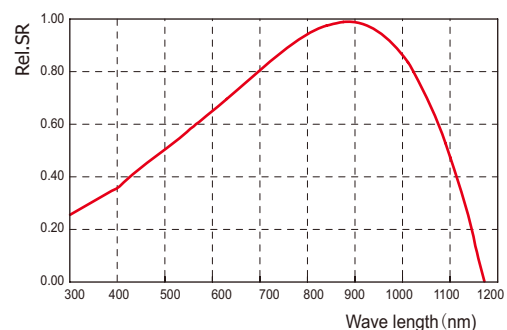
INTENSITY DEPENDENCE

| 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 |

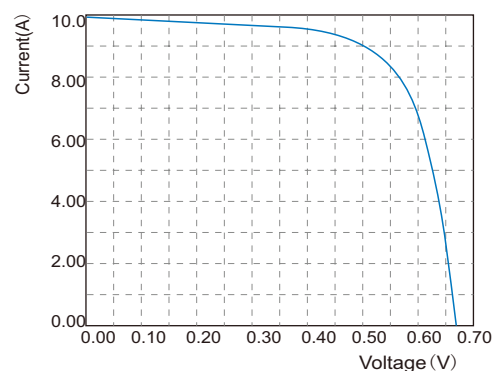
TEMPERATURE CHARACTERISTICS

| 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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