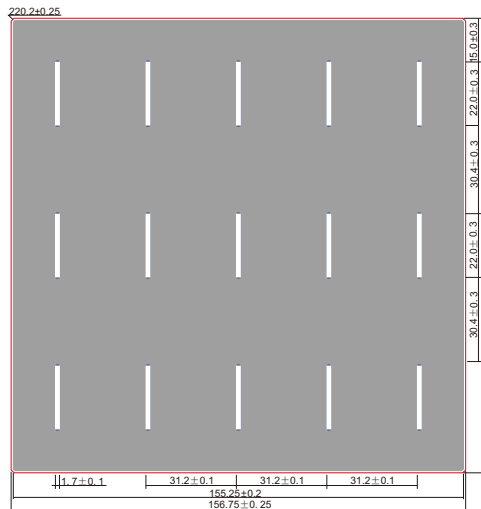
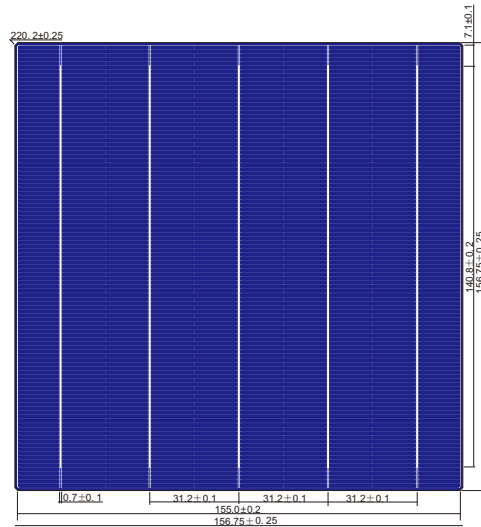


# DMTP5B157 × 157 POLY SOLAR CELL



## BASIC INFORMATION

Format	156.75mm×156.75mm±0.25mm
Diameter	220mm±0.25mm
Thickness	210μm±30μm(Exclude of the front silver)
Front(-)	0.7mm wide bus bars,110 fingers Blue SiNx anti-reflecting coating
Back(+)	1.7mm wide soldering pads(Silver), Back surface field (Aluminium).

## 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)
≥19.1	4.69	0.551	8.517	0.647	9.033
19.0-19.1	4.67	0.550	8.488	0.646	9.005
18.9-19.0	4.64	0.549	8.459	0.645	8.977
18.8-18.9	4.62	0.548	8.429	0.644	8.949
18.7-18.8	4.59	0.546	8.415	0.643	8.923
18.6-18.7	4.57	0.545	8.386	0.642	8.898
18.5-18.6	4.55	0.543	8.371	0.640	8.889
18.4-18.5	4.52	0.541	8.357	0.638	8.874
18.3-18.4	4.50	0.539	8.342	0.637	8.846
18.2-18.3	4.47	0.538	8.312	0.636	8.817

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

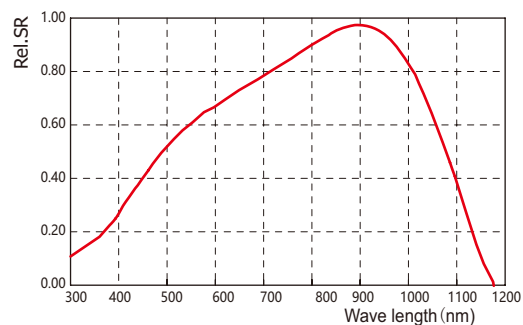
## INTENSITY DEPENDENCE

Irradiance [W/m <sup>2</sup> ]	Open-circuit voltage [%]	Short-circuit current [%]	Maximum power [%]
1000	100.00	100.00	100.00
800	99.00	79.99	80.18
600	97.70	59.90	59.85
400	95.96	39.87	39.95
200	92.83	19.94	19.13

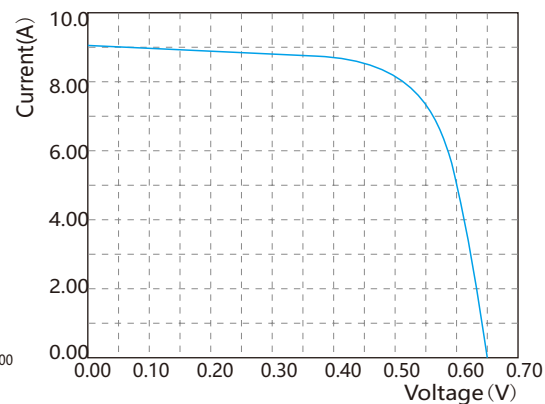
## TEMPERATURE CHARACTERISTICS

ITEM	UNIT	VALUE
$\alpha_{Isc}$	[%/°C]	0.057
$\beta_{Voc}$	[%/°C]	-0.308
$\gamma_{Pmax}$	[%/°C]	-0.406

## SPECTRAL RESPONSE



## I-V CURVE



## QUALITY ASSURANCE



ISO 9001



ISO 14001



职业健康安全管理体系认证



Fraunhofer