

Nice Sun
your energy

PERC

NCS-156M5BB-M2

Mono 6"(ϕ 210) Monocrystalline silicon solar cells PERC series

MECHANICAL DATA AND DESIGN

Format	156.75mm X 156.75mm \pm 0.3mm
Thickness	200 μ m \pm 20 μ m
Front(-)	0.8mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	1.6mm wide soldering pads(silver) back surface field(aluminium)

TEMPERATURE COEFFICIENTS

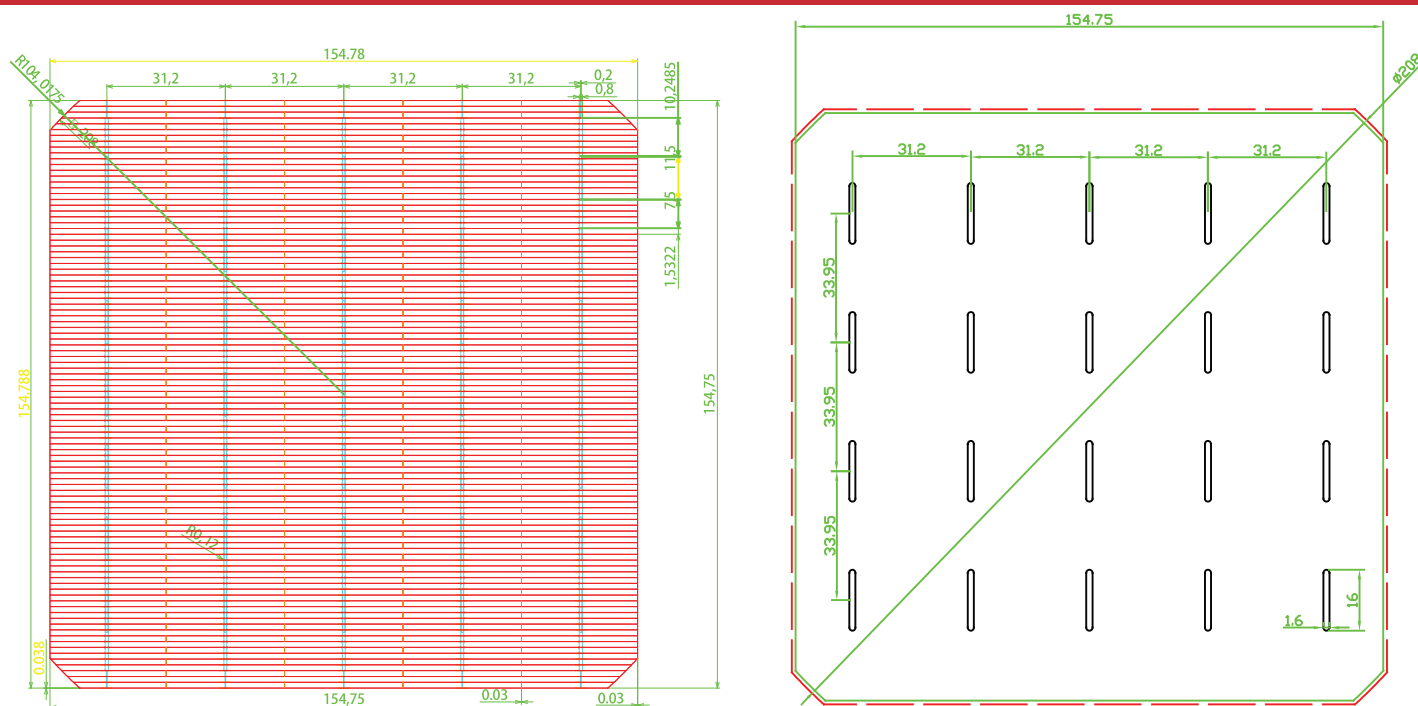
TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.370%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	22.00~22.10	5.38	0.564	9.539	0.666	9.989	80.87
09	21.90~22.00	5.35	0.563	9.503	0.665	9.975	80.65
08	21.80~21.90	5.33	0.562	9.484	0.664	9.964	80.56
07	21.70~21.80	5.30	0.561	9.447	0.663	9.954	80.33
06	21.60~21.70	5.28	0.560	9.429	0.662	9.933	80.29
05	21.50~21.60	5.25	0.559	9.392	0.661	9.912	80.13
04	21.40~21.50	5.23	0.559	9.356	0.660	9.894	80.09
03	21.30~21.40	5.20	0.558	9.319	0.659	9.854	80.08
02	21.20~21.30	5.18	0.558	9.283	0.658	9.832	80.07
01	21.10~21.20	5.16	0.557	9.263	0.657	9.801	80.06

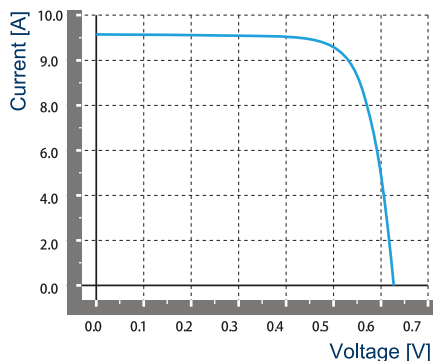
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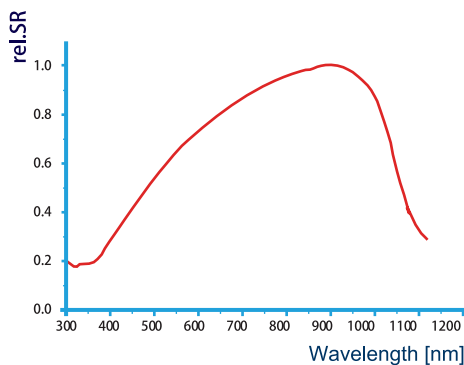
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IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc	Vo c*	Pmpp
1000	1.0	1.000	1.000
800	0.80	1.000	0.90 0
500	0.50	0.960	0.49 0
300	0.30	0.930	0.29 0
200	0.20	0.920	0.19 0

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m²

*calibrated against fraunhofer ISE Erlangen

The parameters are for reference only, and are subject to change without notice or obligation.