

*For reference only

MECHANICAL DATA AND DESIGN

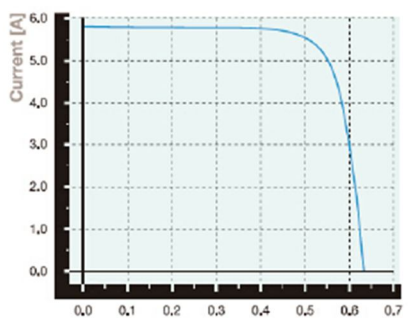
Format	125mm×125mm±0.5mm
Thickness	200µm±30µm
Front(-)	1.5mm bus bars(silver),blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver),back surface field(aluminum)

TEMPERATURE COEFFICIENTS

TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.37%/K

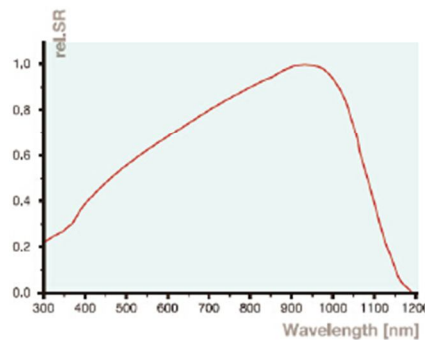
No.	10	09	08	07	06	05	04	03	02	01
Efficiency(%)	18.80-19.00	18.60-18.80	18.40-18.60	18.20-18.40	18.00-18.20	17.80-18.00	17.60-17.80	17.40-17.60	17.20-17.40	17.00-17.20
Pmpp(W)	2.91	2.88	2.85	2.82	2.79	2.76	2.73	2.70	2.66	2.63
Umpp(V)	0.542	0.538	0.534	0.532	0.530	0.529	0.527	0.524	0.518	0.514
Impp(A)	5.369	5.353	5.337	5.301	5.264	5.217	5.180	5.153	5.135	5.117
Uoc(V)	0.633	0.632	0.631	0.630	0.629	0.628	0.627	0.626	0.625	0.624
Isc(A)	5.705	5.691	5.689	5.682	5.664	5.647	5.632	5.597	5.581	5.574
FF(%)	80.58	80.07	79.39	78.78	78.31	77.83	77.31	77.06	76.26	75.61

IV CURVE



*calibrated against fraunhofer ISE freiburg Voltage [V]

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*
1000	1.0	1.000
900	0.9	0.994
500	0.5	0.989
300	0.3	0.946
200	0.2	0.929

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