

MECHANICAL DATA AND DESIGN

Format	125mm × 125mm ± 0.5mm
Thickness	190 μm ± 20 μm
Front(-)	1.6mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver) back surface field(aluminium)

TEMPERATURE COEFFICIENTS

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

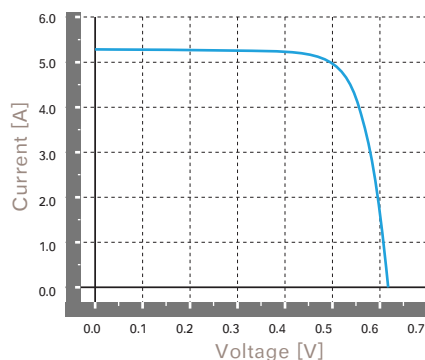
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	19.00-20.00	2.94	0.538	5.467	0.639	5.848	78.71
09	18.80-19.00	2.91	0.537	5.420	0.638	5.809	78.53
08	18.60-18.80	2.88	0.536	5.372	0.637	5.762	78.45
07	18.40-18.60	2.85	0.533	5.344	0.636	5.750	77.89
06	18.20-18.40	2.82	0.528	5.336	0.635	5.740	77.30
05	18.00-18.20	2.79	0.526	5.296	0.634	5.725	76.78
04	17.80-18.00	2.76	0.523	5.269	0.633	5.681	76.63
03	17.60-17.80	2.73	0.518	5.260	0.631	5.651	76.41
02	17.40-17.60	2.70	0.513	5.251	0.630	5.630	75.95
01	17.20-17.40	2.66	0.508	5.242	0.628	5.620	75.44

INTENSITY DEPENDENCE

Intensity[W/m ²]	Isc	Voc*	Pmpp
1000	1.0	1.000	1.000
900	0.9	0.989	0.899
500	0.5	0.963	0.488
300	0.3	0.939	0.285
200	0.2	0.920	0.185

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

IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE

