

5BB 158.75 Mono Facial Solar Cell

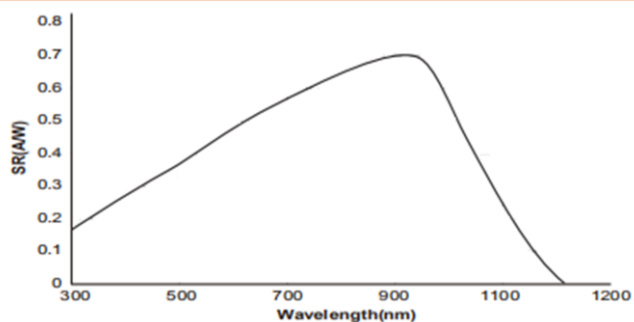
Technical Data and Design

Dimension	158.75*158.75±0.25
Thickness	175±20μm
Front (-)	5*0.7mm busbars (silver), Anti-reflecting coating
Back (+)	5*1.8mm(silver), 5*4 soldering pads

Temperature Coefficients

TkVoc (%/K)	-0.36
Tklsc(%/K)	+0.06
TkPMAX(%/K)	-0.36

Spectral Response

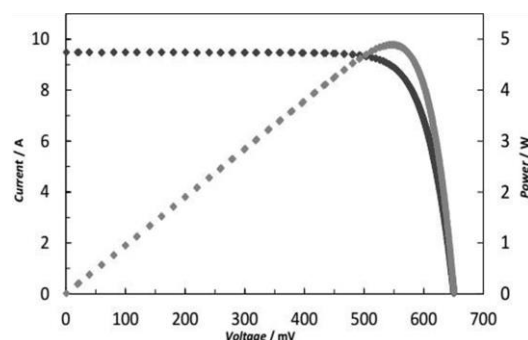


Light Intensity Dependence

Intensity(W/m ²)	Voc	Isc
1000	1.00	1.0
900	1.00	0.91
800	0.99	0.81
500	0.97	0.51
300	0.95	0.31

Take the Voc (Isc) at 1000W/m² as the standard, test the range of Voc(Isc) decrease with light intensity.

IV Curve



Efficiency(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc (A)
22.60%	5.70	0.5913	9.6398	0.6977	10.1025
22.50%	5.67	0.5895	9.6183	0.6956	10.0800
22.40%	5.65	0.5877	9.6137	0.6935	10.0752
22.30%	5.62	0.5859	9.5921	0.6886	10.0501
22.20%	5.59	0.5840	9.5800	0.6873	10.0471
22.10%	5.57	0.5822	9.5664	0.6859	10.0431
22.00%	5.54	0.5802	9.4794	0.6833	10.0400
21.90%	5.52	0.5783	9.4668	0.6821	10.0340
21.80%	5.49	0.5762	9.4592	0.6807	10.0310
21.70%	5.47	0.5737	9.4561	0.6788	10.0269
21.60%	5.44	0.5712	9.4539	0.6769	10.0238
21.50%	5.42	0.5687	9.4511	0.6754	10.0269

STC (Standard Testing Conditions):1000W/m²,AM1.5, 25 °C

Technical parameters above-mentioned subjects to technical changes and tests.