



SURANA SOLAR CELL MONO 3 BUSBAR

Mechanical Data and Design:

Brand Name	:	Surana Solar Limited
Material	:	Monocrystalline Silicon
Size	:	156mm×156mm±0.5mm
Grade	:	A
Bus Bar	:	3BB
Thickness	:	200±20um
Front	:	Anisotropically texturized surface and dark silicon nitride anti-reflection coatings
Back	:	Full-surface aluminum back-surface field

Electrical Performance:

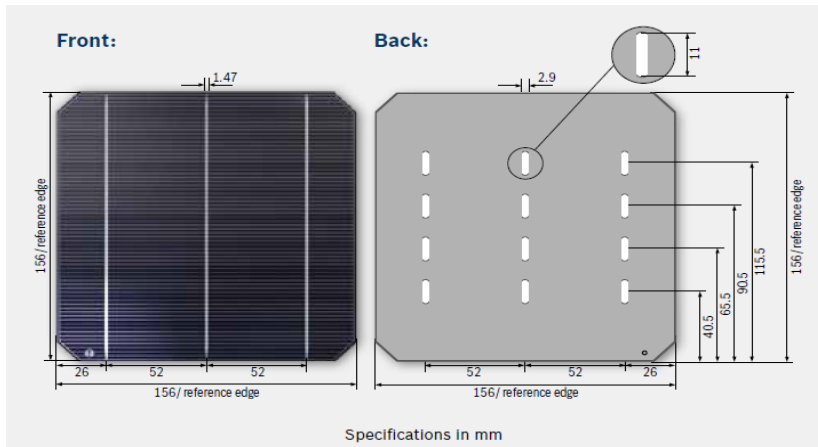
Efficiency (%)	:	18.84 - 19.05	18.63 - 18.84	18.43 - 18.63	18.22 - 18.43	18.01 - 18.22	17.81 - 18.01	17.60 - 17.81
Power Ppm(w)	:	4.54 - 4.59	4.49 - 4.54	4.44 - 4.49	4.39 - 4.44	4.34 - 4.39	4.29 - 4.34	4.24 - 4.29
Max.Power current Ipm(A)	:	8.505	8.476	8.408	8.387	8.339	8.274	8.212
Short Circuit Current Isc(A)	:	9.077	9.041	8.970	8.951	8.907	8.872	8.862
Max Power Voltage Vpm(V)	:	0.535	0.530	0.529	0.527	0.525	0.522	0.519
Open Circuit Voltage Voc(V)	:	0.636	0.631	0.631	0.630	0.629	0.627	0.627

Features:

- > High conversion efficiencies resulting in superior power output performance
- > Outstanding power output even in low light or high temperature conditions
- > Optimized design for ease of soldering and lamination
- > Long-term stability, reliability and performance
- > Low breakage rate
- > Color uniformity

Note:

All data measured at standard testing conditions : 1000 W/m2, AM 1.5, 25 °C,
Tolerance: Efficiency ± 0.2% abs., Pmpp ±1.5% rel.



Surana Solar Limited

5th Floor, Surya Towers, S P Road, Secunderabad - 500 003, Telangana, India.

Tel: 91 40 27845119, 44665700 Fax: 91 40 27818868

Email: solar@surana.com

Web: www.suranasolar.com