



**SURANA SOLAR CELL POLY 4 BUSBAR**

**Mechanical Data and Design:**

Brand Name	:	Surana Solar Limited
Material	:	Polycrystalline Silicon
Size	:	156mm×156mm±0.5mm
Grade	:	A
Bus Bar	:	4BB
Thickness	:	200±20um
Front	:	4 Bus bars padded (Silver), blue antireflective coating(silicon nitride)
Back	:	Soldering pads (Silver), Aluminium coated (back surface field))

**Electrical Performance:**

Efficiency (%)	:	17.30	17.40	17.50	17.80	18.00	18.20	18.40	18.60
Power Ppm(w)	:	4.21	4.23	4.25	4.33	4.38	4.43	4.48	4.53
Max.Power current Ipm(A)	:	8.218	8.231	8.243	8.281	8.32	8.36	8.40	8.44
Short Circuit Current Isc(A)	:	8.749	8.759	8.769	8.798	8.80	8.84	8.87	8.92
Max Power Voltage Vpm(V)	:	0.515	0.517	0.521	0.527	0.530	0.532	0.534	0.538
Open Circuit Voltage Voc(V)	:	0.620	0.622	0.623	0.627	0.63	0.632	0.634	0.636

**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.

