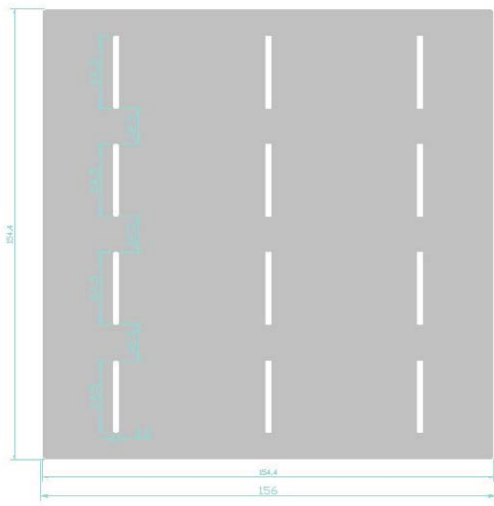
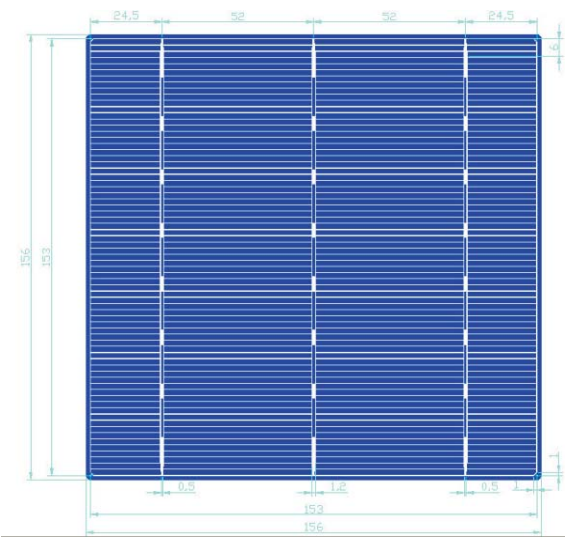




# BYD Solar Farm

## BYD 156P Solar Cell with 3 Bus Bar



Efficiency Class	15.8%-16.0%	16.0%-16.2%	16.2%-16.4%	16.4%-16.6%	16.6%-16.8%	16.8%-17.0%
Pmax (W)	3.869	3.918	3.967	4.015	4.064	4.113
Isc (A)	8.116	8.178	8.248	8.289	8.341	8.392
Voc (V)	0.616	0.617	0.618	0.620	0.622	0.624
FF (%)	77.40	77.65	77.82	78.13	78.34	78.54

Efficiency Class	17.0%-17.2%	17.2%-17.4%	17.4%-17.6%	17.6%-17.8%	17.8%-18.0%	18.0%-18.2%
Pmax (W)	4.162	4.210	4.259	4.308	4.356	4.405
Isc (A)	8.464	8.521	8.596	8.668	8.729	8.778
Voc (V)	0.625	0.626	0.627	0.628	0.630	0.632
FF (%)	78.67	78.93	79.02	79.13	79.21	79.40



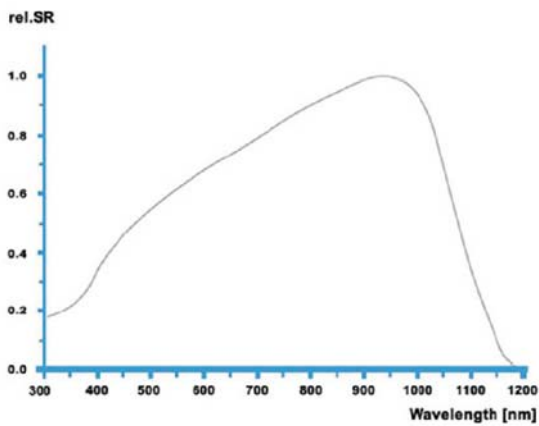
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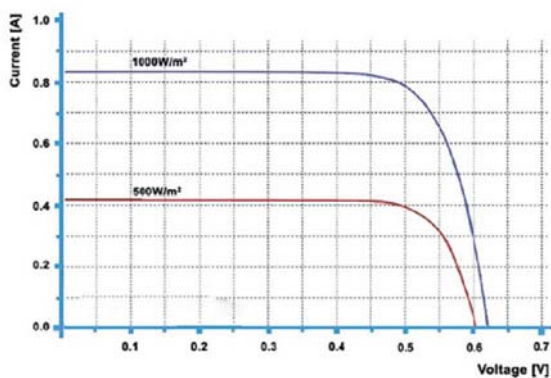
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# BYD 156P Solar Cell with 3 Bus Bar



Mechanical Data and Design	
Cell	Polycrystalline Silicon solar cells
Dimension of cell	156 mm * 156 mm ± 0.5mm
Thickness	225 μm ± 30 μm
Front	1.2 mm wide bus bar (silver) Silicon nitride antireflection coating
Back	2.2 mm wide soldering pads (silver / back aluminum) Surface field (aluminum)

Temperature Coefficients	
Short-circuit current temperature coefficient	0.02%/°C
Open-circuit voltage temperature coefficient	-0.37%/°C
Peak power temperature coefficient	-0.45%/°C



Intensity Dependence		
Intensity (W/m²)	Isc* (mA)	Voc* (mV)
1000	1	1
900	0.9	0.997
500	0.5	0.971
300	0.3	0.945
200	0.2	0.924

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