



浙江启鑫新能源科技股份有限公司
Zhejiang Qixin Solar Electrical Appliance Co., LTD

156.75 × 156.75-5bb Technical Specification (According to the 156.75size calculation)

(The electrical specifications are measured under irradiance level of 1000W/m², 1.5 Air Mass Spectrum, cell temperature of 25)

Mechanical Data and Design		Intensity Dependence		
Cells	Poly ⁶ (R221) crystal	Intensity[W/m ²]	Isc *[mA]	Voc*[mV]
Format	156.75mm*156.75mm±0.5mm	1000	1	1
Thickness	190um±20um	900	0.9	0.994
Front(-)	0.7mm bus bars (silver),5bb blueanti-reflectingcoating (silicon nitride)	500	0.5	0.969
		300	0.3	0.946
Back(+)	1.6mm wide soldering pads (silver) Back surface field (aluminium)	200	0.2	0.926

Electrical typical values

Product model	Eff. (%)	Pmax (W)	Vpm(V)	Ipm (A)	Voc(V)	Isc(A)
18.80%-4.619W	EFF 18.80%	Pmax 4.619	0.539	8.572	0.637	9.052
18.70%-4.594W	18.80%>EFF 18.70%	4.619>Pmax 4.594	0.538	8.547	0.636	9.030
18.60%-4.570W	18.70%>EFF 18.60%	4.594>Pmax 4.570	0.537	8.529	0.635	9.016
18.50%-4.545W	18.60%>EFF 18.50%	4.570>Pmax 4.545	0.535	8.505	0.634	8.994
18.40%-4.521W	18.50%>EFF 18.40%	4.545>Pmax 4.521	0.534	8.484	0.632	8.970
18.30%-4.496W	18.40%>EFF 18.30%	4.521>Pmax 4.496	0.532	8.469	0.630	8.956
18.20%-4.471W	18.30%>EFF 18.20%	4.496>Pmax 4.471	0.531	8.447	0.629	8.934
18.10%-4.447W	18.20%>EFF 18.10%	4.471>Pmax 4.447	0.529	8.429	0.628	8.911
18.00%-4.422W	18.10%>EFF 18.00%	4.447>Pmax 4.422	0.528	8.387	0.627	8.892
17.90%-4.398W	18.00%>EFF 17.90%	4.422>Pmax 4.398	0.527	8.368	0.626	8.878
17.80%-4.373W	17.90%>EFF 17.80%	4.398>Pmax 4.373	0.526	8.334	0.625	8.854
17.70%-4.349W	17.80%>EFF 17.70%	4.373>Pmax 4.349	0.525	8.307	0.625	8.837
17.60%-4.324W	17.70%>EFF 17.60%	4.349>Pmax 4.324	0.524	8.280	0.624	8.815
17.50%-4.299W	17.60%>EFF 17.50%	4.324>Pmax 4.299	0.523	8.253	0.624	8.798
17.40%-4.275W	17.50%>EFF 17.40%	4.299>Pmax 4.275	0.522	8.226	0.623	8.776

Temperature Coefficients

TkVoltage	-0.348%/K
TkCurrent	+0.031%/K
TkPower	-0.46%/K

Dimensions

