

156.75-210 Technical Specification

(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	Mono ^{6"} (R210) 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), blueanti-reflectingcoating (silicon nitride)	500	0.5	0.969
		300	0.3	0.946
Back(+)	1.6mm width soldering pads (silver) Back surface field (aluminium)	200	0.2	0.926

Electrical typical values

Product model	Eff. %	P _{max} (W)	V _{pm} (V)	I _{pm} (A)	Voc(V)	Isc(A)
20.2%	20.2% Eff<20.4%	4.93	0.536	9.198	0.644	9.33
20.0%	20.0% Eff<20.2%	4.88	0.532	9.173	0.642	9.31
19.8%	19.8% Eff<20.0%	4.83	0.528	9.148	0.640	9.29
19.6%	19.6% Eff<19.8%	4.78	0.524	9.122	0.638	9.27
19.4%	19.4% Eff<19.6%	4.74	0.520	9.115	0.636	9.25
19.2%	19.2% Eff<19.4%	4.69	0.516	9.089	0.634	9.23
19.0%	19.0% Eff<19.2%	4.64	0.512	9.062	0.632	9.21
18.8%	18.90%>EFF 18.70%	4.59	0.508	9.035	0.630	9.19
18.6%	18.70%>EFF 18.50%	4.54	0.504	9.008	0.628	9.17

Temperature Coefficients	TkVoltage	-0.348%/K
	TkCurrent	+0.031%/K
	TkPower	-0.38%/K

Dimensions

