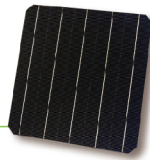
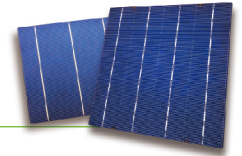


Mono-crystalline silicon solar cells



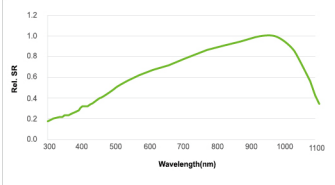
Multi-crystalline Silicon Solar Cells



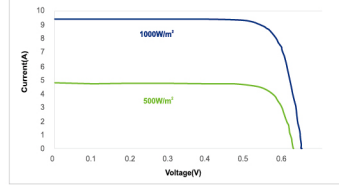
M2

Physical Characteristics		Typical Temperature Coefficients	
Dimension	156.75 mm x 156.75 mm ± 0.5 mm	Voltage	- 0.3144 % / °C
Diagonal	210 mm ± 1.0 mm	Current	+ 0.0337 % / °C
Thickness (Si)	200µm ± 30µm	Power	- 0.3388 % / °C
Front	Five silver busbars, anisotropically textured surface with dark blue silicon nitride anti-reflection coating.		
Back	Full-surface aluminum BSF, Silver / Aluminum soldering pads.		

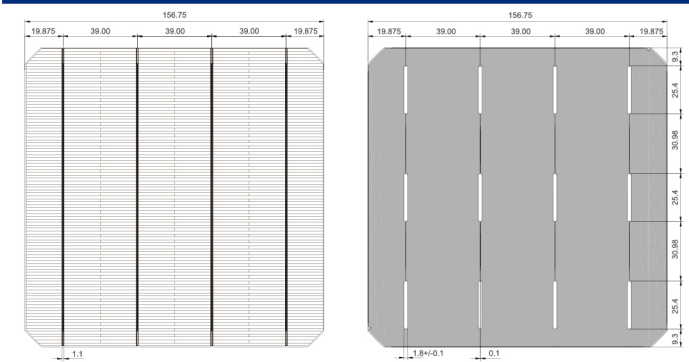
Spectral Response (SR)



IV Curve of Cell : 1980



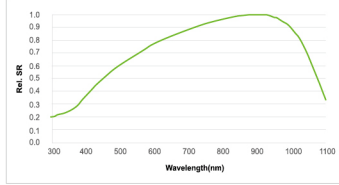
Cell Layout



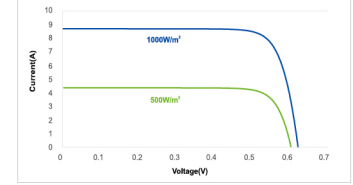
M0, M2

Physical Characteristics		Typical Temperature Coefficients		
Dimension	M0	M2	Voltage	- 0.31 % / °C
	156 mm x 156 mm ± 0.5 mm	156.75 mm x 156.75 mm ± 0.25 mm	Current	+ 0.05 % / °C
Thickness (Si)	M0	M2	Power	- 0.39 % / °C
	200µm ± 30µm	200µm ± 20µm		
Front	3/4 silver busbars, acid textured surface with dark blue silicon nitride anti-reflection coating.			
Back	Full-surface aluminum BSF, Silver / Aluminum soldering pads.			

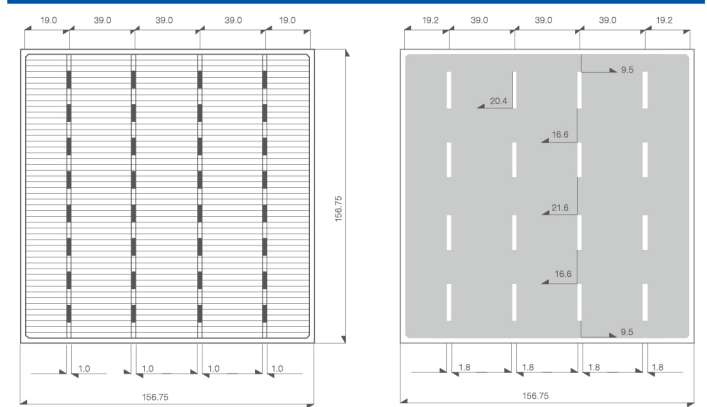
Spectral Response (SR)



IV Curve of Cell : 1780



Cell Layout



Electrical Characteristics of Products

Product	Efficiency Code	Efficiency (%)	Pmax (W)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)
Mono-crystalline silicon solar cell M2	2040	20.4	4.984	0.550	9.055	0.645	9.541
	2030	20.3	4.959	0.549	9.029	0.644	9.516
	2020	20.2	4.935	0.549	9.003	0.644	9.491
	2010	20.1	4.910	0.548	8.977	0.643	9.466
	2000	20.0	4.886	0.547	8.958	0.643	9.446
	1990	19.9	4.862	0.546	8.940	0.642	9.428
	1980	19.8	4.837	0.545	8.908	0.640	9.396
	1970	19.7	4.813	0.544	8.894	0.637	9.373
	1960	19.6	4.788	0.544	8.829	0.642	9.320
	1940	19.4	4.739	0.540	8.800	0.640	9.289
Multi-crystalline silicon solar cell M2	1880	18.8	4.619	0.544	8.485	0.635	8.955
	1860	18.6	4.570	0.542	8.433	0.632	8.917
	1840	18.4	4.521	0.538	8.405	0.629	8.882
	1820	18.2	4.471	0.535	8.352	0.626	8.844
	1800	18.0	4.422	0.533	8.297	0.624	8.815
	1780	17.8	4.373	0.530	8.250	0.622	8.722
	1760	17.6	4.324	0.527	8.205	0.619	8.732
Multi-crystalline silicon solar cell M0	1840	18.4	4.480	0.532	8.370	0.633	8.760
	1820	18.2	4.429	0.529	8.326	0.633	8.690
	1800	18.0	4.380	0.525	8.279	0.632	8.630
	1780	17.8	4.332	0.522	8.251	0.631	8.570
	1760	17.6	4.283	0.519	8.205	0.630	8.510
	1740	17.4	4.234	0.535	8.158	0.629	8.450

*Data under standard testing conditions (STC): 1000 W/M2, AM1.5, 25° C. The measurement of cell is calibrated by Fraunhofer ISE.



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