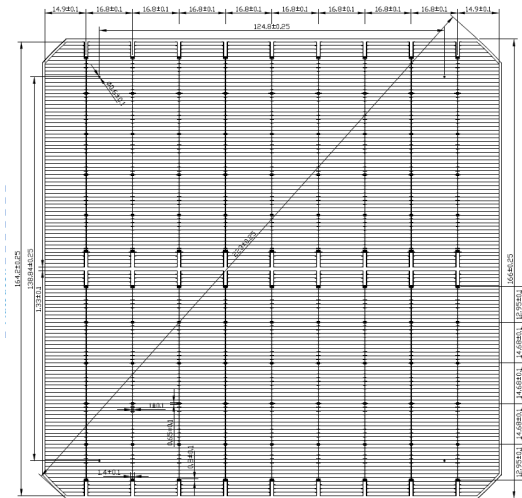




MSR1

166 Mono PERC Solar Cell (9B-Half)
9B单晶PERC电池片 (半片)

Product specification/产品规格



Type/硅片类型

Size/尺寸规格

Monocrystalline
单晶

166mm*166mm±0.25mm
190±30μm

Front electrode pattern/正电极图形

Nine busbars/九主栅

Width/宽度: 0.1±0.03mm

Interval/间距: 16.8±0.1mm

Finger/细栅线: 124 lines

Electrical properties/电特性

Temperature coefficient/温度系数

Voc: -0.36%/°C

Isc: 0.07%/°C

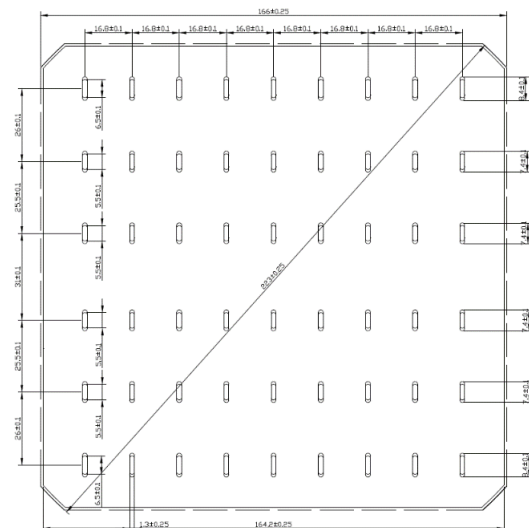
Pm: -0.38%/°C

STC/标准检验条件

Intensity/光强: 1000 W/m²

Spectrum/光谱: AM1.5

Temperature/温度: 25±2°C



Appearance parameters/外观参数

参数项目 Parameter items		Specification	公差 Tolerance	单位 Unit	
正面 Front surface	A	正面细栅线数量 Finger number	124	N/A	Line
	B	正面主栅线宽度 Busbar width	0.1	±0.03	mm
	C	正面主栅线间距 Busbar interval	16.8	±0.1	mm
	D	左/右主栅中心线到左/右边缘的距离 Distance between center line of the left (right) busbar and the left (right) wafer edge	14.9	±0.1	mm
背面 Rear surface	A	背面主栅线宽度 Grid width	1.3	±0.25	mm
	B	背面主栅线间距 Grid interval	16.8	±0.1	mm
	C	左/右主栅中心线到左/右边缘的距离 Distance between center line of the left (right) rear grid and the left (right) wafer edge	15.8	±0.3	mm

Electrical performance/电性能

Efficiency Code	Efficiency (%)	Pmpp (W)	Umpp (V)	Imp (A)	Uoc (V)	Isc (A)	FF (%)
MS-166M-229	22.9	6.28	0.5943	10.563	0.6817	11.139	82.67
MS-166M-228	22.8	6.25	0.5925	10.550	0.6803	11.124	82.60
MS-166M-227	22.7	6.22	0.5902	10.544	0.6784	11.119	82.51
MS-166M-226	22.6	6.20	0.5885	10.529	0.6770	11.103	82.43
MS-166M-225	22.5	6.17	0.5866	10.515	0.6761	11.089	82.27
MS-166M-224	22.4	6.14	0.5848	10.502	0.6746	11.077	82.18
MS-166M-223	22.3	6.11	0.5829	10.488	0.6732	11.060	82.11
MS-166M-222	22.2	6.09	0.5805	10.485	0.6699	11.046	82.25
MS-166M-221	22.1	6.06	0.5786	10.472	0.6683	11.033	82.18
MS-166M-220	22.0	6.03	0.5764	10.464	0.6662	11.025	82.15
MS-166M-219	21.9	6.00	0.5745	10.451	0.6641	11.008	82.13
MS-166M-218	21.8	5.98	0.5726	10.437	0.6619	10.989	82.16
MS-166M-217	21.7	5.95	0.5714	10.411	0.6610	10.964	82.08
MS-166M-216	21.6	5.92	0.5709	10.373	0.6609	10.944	81.87
MS-166M-215	21.5	5.89	0.5678	10.382	0.6601	10.940	81.62