



IBC M6 Cell

IBC

The bifacial structure and half-chip all new design

NO

No light-induced degradation and excellent anti-PID performance

EXCELLENT

Excellent power generation performance

HIGH

High conversion efficiency and high reliability

BEAUTIFUL

No finger shading in sunny-side, beautiful appearance

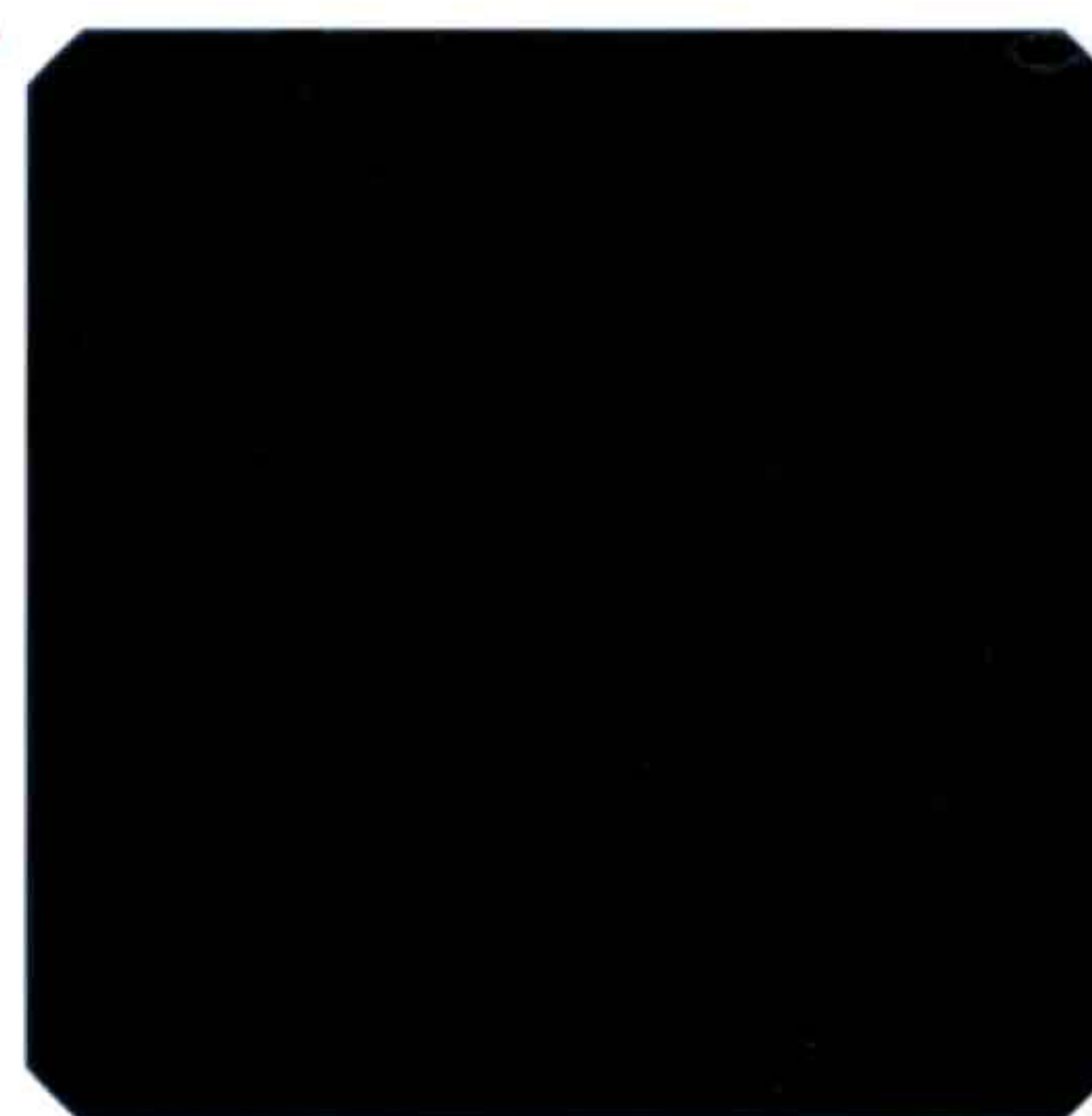
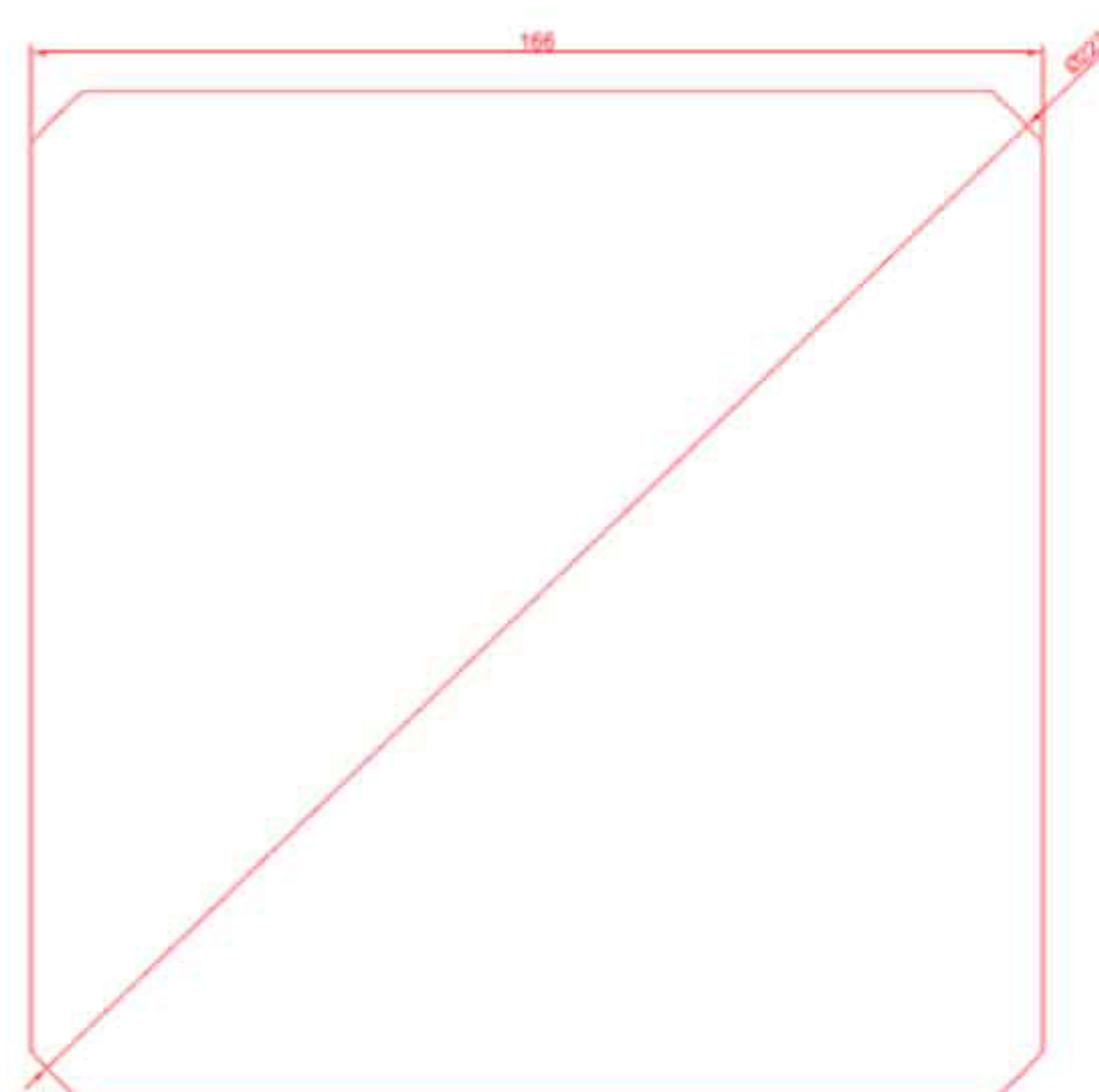
Product features

The bifacial structure and half-chip design. No light-induced degradation and excellent anti-PID performance. Excellent power generation performance. High conversion efficiency and high reliability. No finger shading in sunny-side, beautiful appearance.

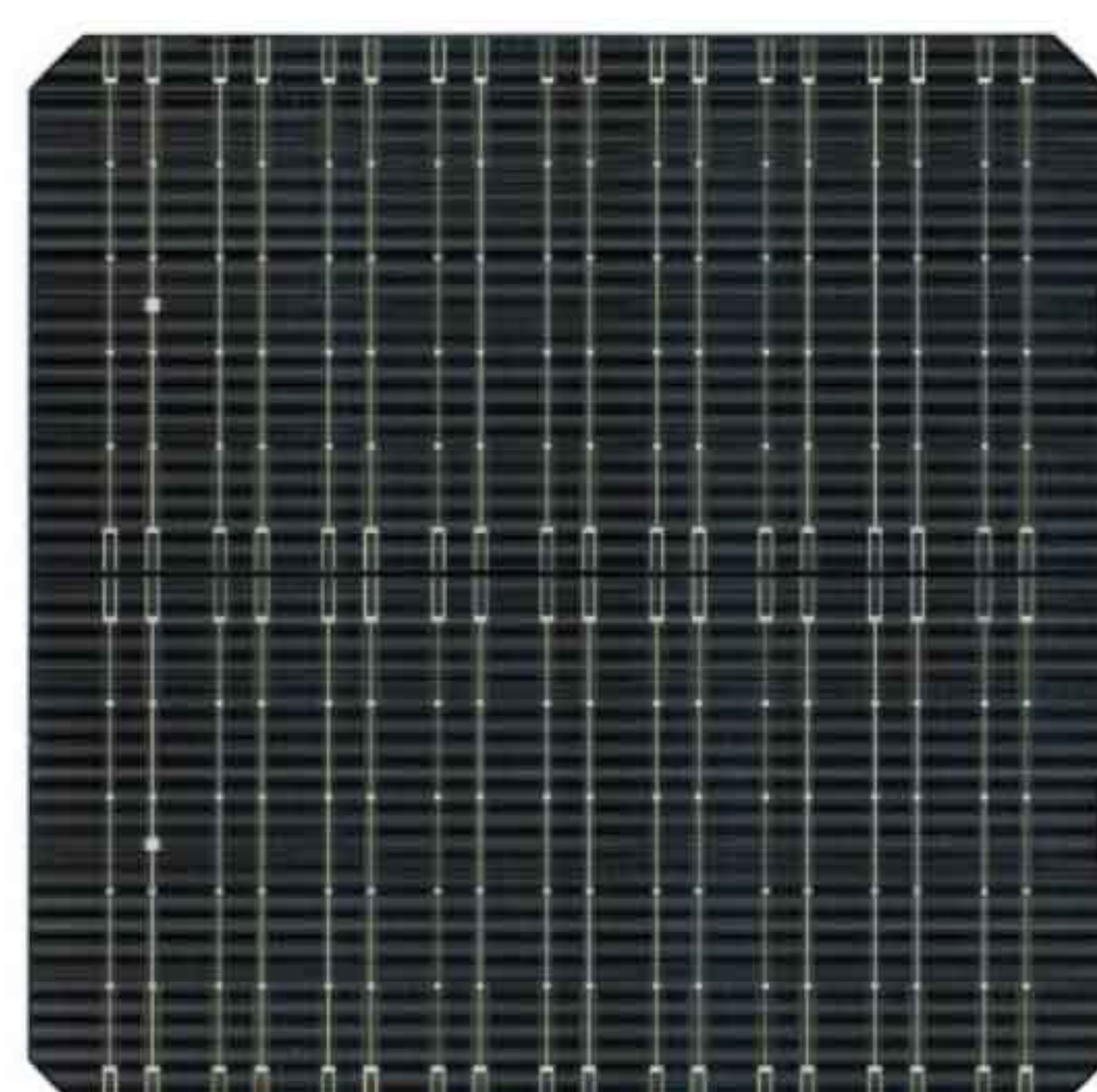
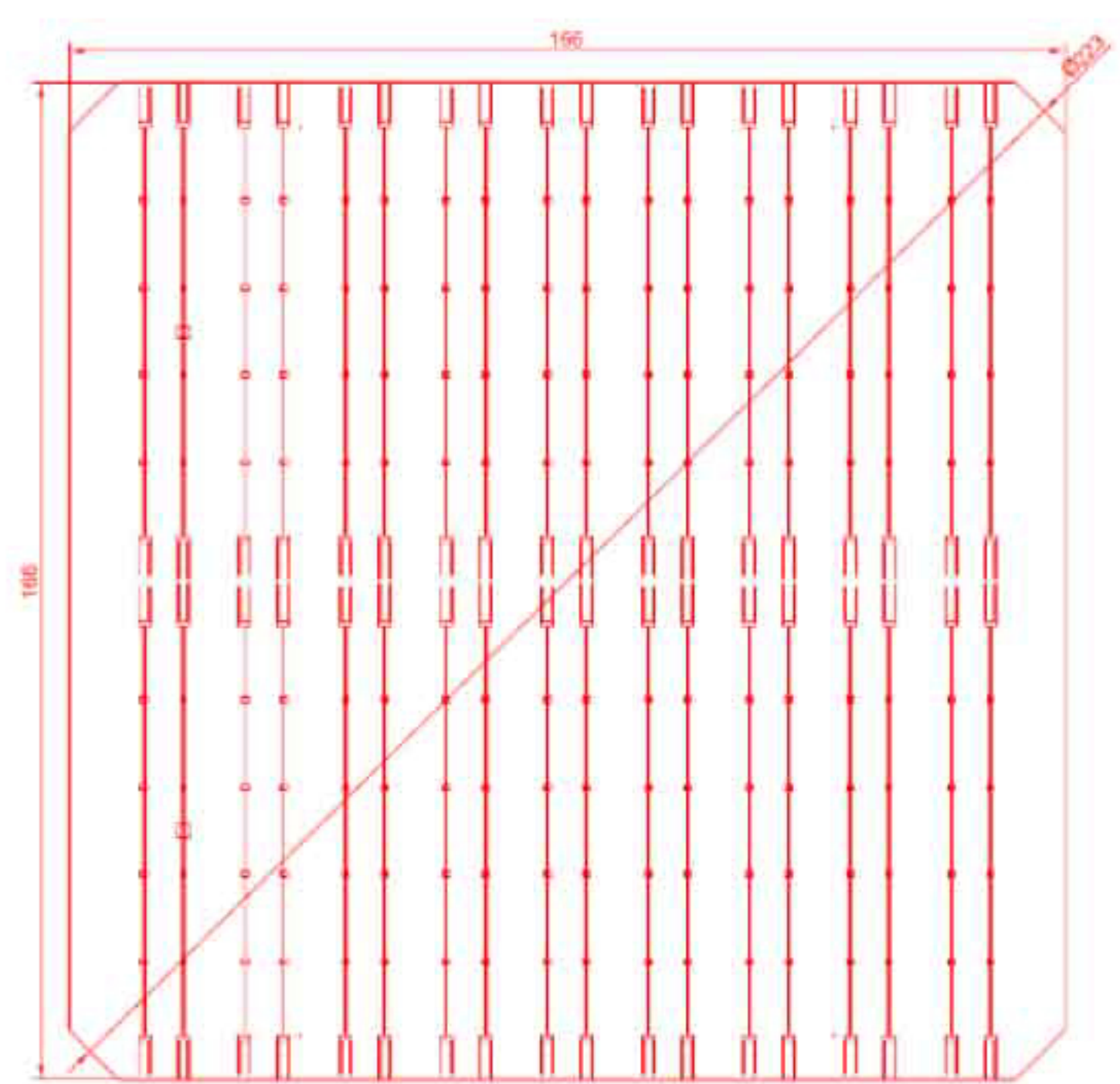
尺寸设计图 (单位:mm)

Mechanical Data and Design (Units:mm)

电池正面 Front side



电池背面 Back side



产品外观 Product appearance

尺寸 Dimension	(166mm±0.25mm)×(166mm±0.25mm)
正电极 Front(+)	正面无栅线, 蓝色氮化硅减反射涂层 front without grid line, blue anti-reflection coating(silicon nitride)
背电极 back(-)	0.2mm 宽 9 对银主栅线, 蓝色氮化硅减反射涂层 0.2mm 9 bus bars(silver), blue anti-reflection coating(silicon nitride)

IBC CELL

电性能参数 Electrical Characteristics

转换效率	最大功率	最大功率点电压	最大功率点电流	开路电压	短路电流	填充因子
Efficiency(%)	Pmpp(Wp)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
24.90-25.00	6.83	0.606	11.274	0.709	11.773	81.85
24.80-24.90	6.80	0.604	11.261	0.707	11.770	81.74
24.70-24.80	6.78	0.603	11.243	0.706	11.757	81.68
24.60-24.70	6.75	0.602	11.207	0.704	11.746	81.59
24.50-24.60	6.72	0.601	11.190	0.703	11.737	81.50
24.40-24.50	6.69	0.599	11.186	0.701	11.731	81.43
24.30-24.40	6.67	0.598	11.145	0.699	11.729	81.32
24.20-24.30	6.64	0.597	11.118	0.697	11.725	81.21
24.10-24.20	6.61	0.595	11.098	0.695	11.712	81.17
24.00-24.10	6.59	0.594	11.094	0.694	11.696	81.12
23.90-24.00	6.56	0.592	11.075	0.694	11.681	80.95
23.80-23.90	6.54	0.591	11.065	0.693	11.676	80.80
23.70-23.80	6.50	0.589	11.008	0.692	11.662	80.55
23.60-23.70	6.48	0.588	10.992	0.691	11.663	80.43
23.50-23.60	6.46	0.587	10.981	0.690	11.664	80.17
23.40-23.50	6.43	0.586	10.942	0.690	11.651	79.99
23.30-23.40	6.39	0.584	10.910	0.689	11.635	79.73
23.20-23.30	6.38	0.583	10.915	0.689	11.652	79.48

温度系数 Temperature Coefficients

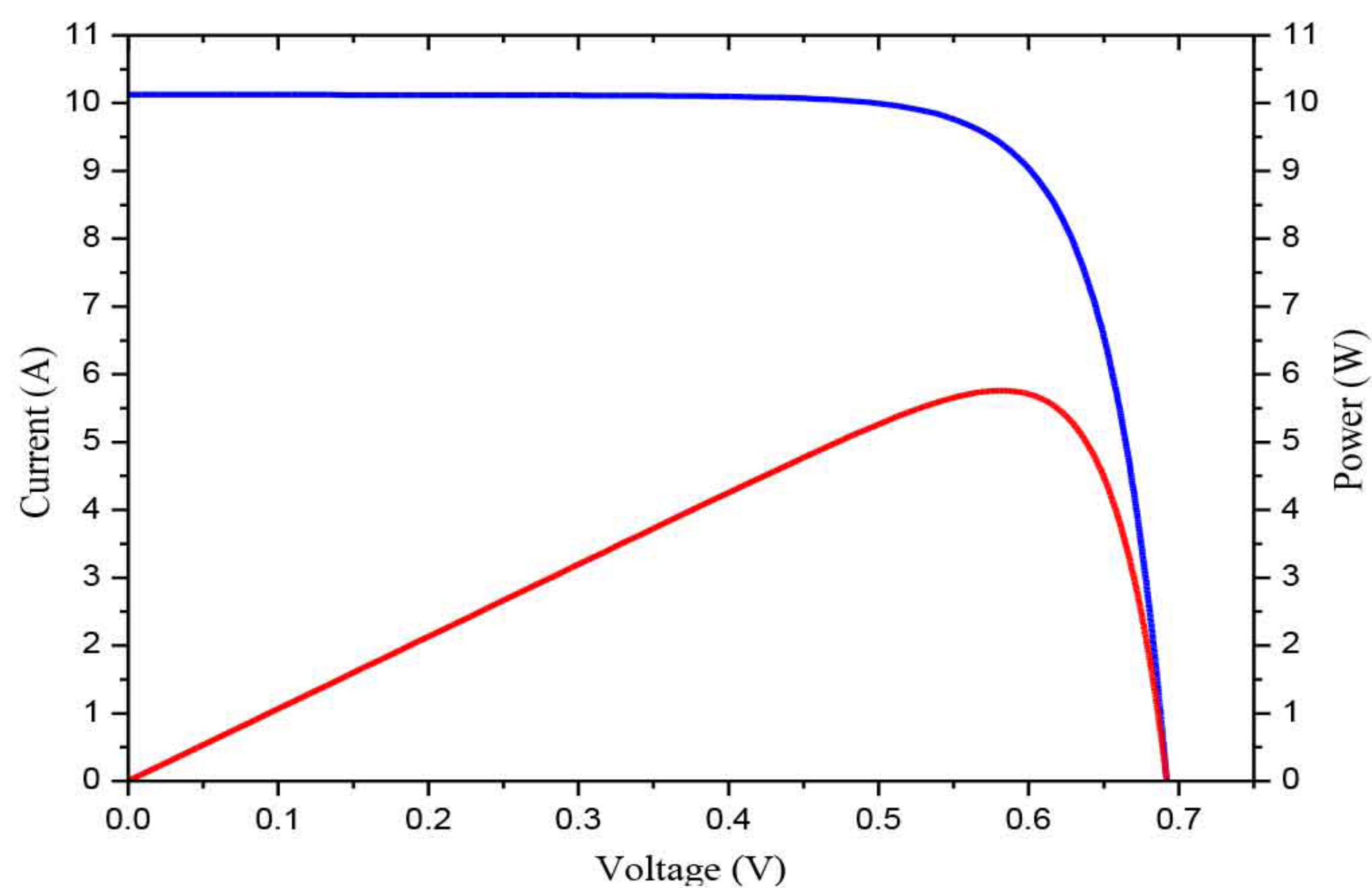
开路电压温度系数 Voc.Temp.Coef.	-0.268%/K
短路电流温度系数 Isc.Temp.Coef.	+0.042%/K
最大功率温度系数 Pm.Temp.Coef.	-0.3%/K

光强响应 Intensity Dependence

光强 Intensity [W/m ²]	短路电流 Isc	开路电压 Voc
1000	1	1
900	0.9	0.994
500	0.5	0.974
300	0.3	0.951
200	0.2	0.927

不同光强下的 Voc(Isc)在 1000W/m²光强下 Voc (Isc) 的比率
Ratio of Voc (Isc) at reduced intensity to Voc (Isc) at 1000 W/m²

IV 曲线 IV Curve



光谱响应 Spectral Response (SR)

