

QDCXR183TPC TOPCon-R183D2-16BB_F172/200

N型单晶电池片

践行绿色发展 共赴零碳未来



产品特点

- 高转换效率，正面效率 $\geq 24.8\%$
- 光致衰减为“0”，双面率 $\geq 80\%$
- 优越的抗PID性能
- 功率温度系数低至 $-0.32\%/K$
- $200W/m^2$ 弱光下相对转换效率 $\geq 97\%$
- 封损更低，更适合高效组件

品质管控

效率测试的准确性控制在 $\pm 0.1\%$
 $I_{rev2} < 1A$, $R_{sh} > 500\Omega$
校准片溯源 Fraunhofer ISE
电性能、外观、EL 100%全自动检验

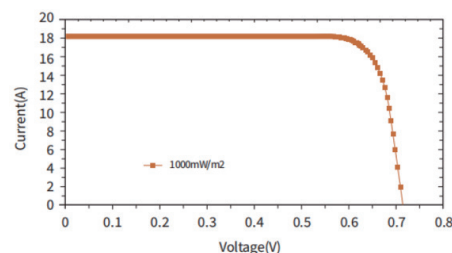
温度系数

电流温度系数: $0.045\%/K$
电压温度系数: $-0.25\%/K$
功率温度系数: $-0.32\%/K$

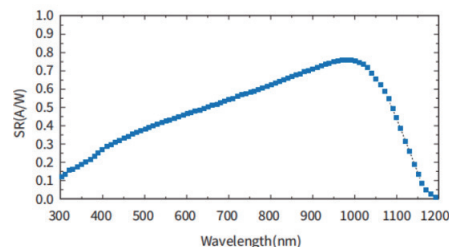
产品特征

型号	TOPCon-R183D2-16BB_F172/200
尺寸规格	182.2mm × 183.75mm ± 0.15mm Φ256mm ± 0.15mm
测试面积	33471mm ²
厚度	130μm ± 13μm
正面	16*0.030±0.015mm主栅，172根副栅，蓝色减反射膜（氮化硅）
背面	16*0.030±0.015mm主栅，200根副栅，蓝色减反射膜（氮化硅）

IV曲线



光谱响应



效率区间(%)	功率(W)	最高功率电流(A)	短路电流(A)	最高功率电压(V)	开路电压(V)
>25.8	8.63	13.077	13.703	0.6505	0.7273
25.7-25.8	8.60	13.069	13.698	0.6487	0.726
25.6-25.7	8.56	13.061	13.693	0.6469	0.7248
25.5-25.6	8.53	13.054	13.687	0.6451	0.7236
25.4-25.5	8.50	13.048	13.682	0.6433	0.7222
25.3-25.4	8.46	13.039	13.678	0.6417	0.7211
25.2-25.3	8.43	13.028	13.673	0.64	0.7201
25.1-25.2	8.40	13.017	13.67	0.6381	0.719
25.0-25.1	8.36	13.005	13.668	0.6361	0.718
24.9-25.0	8.33	12.993	13.666	0.6341	0.7171
24.8-24.9	8.30	12.983	13.666	0.6323	0.7166
24.7-24.8	8.26	12.972	13.664	0.6305	0.7164
24.6-24.7	8.23	12.963	13.663	0.6287	0.7159
24.5-24.6	8.20	12.958	13.662	0.6267	0.7156
24.4-24.5	8.16	12.942	13.662	0.6252	0.7153
24.3-24.4	8.13	12.921	13.659	0.6239	0.7154
24.2-24.3	8.09	12.912	13.653	0.6221	0.7143
24.1-24.2	8.06	12.888	13.647	0.6211	0.7144
24.0-24.1	8.03	12.876	13.653	0.6193	0.7157
23.9-24.0	7.99	12.88	13.66	0.6169	0.7157
23.8-23.9	7.96	12.856	13.662	0.6159	0.7147
23.7-23.8	7.93	12.863	13.661	0.613	0.7151
23.6-23.7	7.89	12.81	13.644	0.6135	0.7138
23.5-23.6	7.86	12.77	13.657	0.6128	0.7143
23.4-23.5	7.83	12.761	13.646	0.6111	0.7147

The drawing shows two views of a rectangular object, labeled '正面 Front' (Front) and '背面 Rear' (Rear). Both views are filled with a dense grid pattern. A diagonal line runs from the bottom-left corner to the top-right corner in both views. Dimensions are provided in millimeters (mm) and centimeters (cm). The front view has a width of 982.6 mm and a height of 1708.6 mm. The rear view has a width of 981.6 mm and a height of 1706.6 mm. A QR code is located in the bottom-left corner of the front view, with a label '视频号' (Video Channel) below it. Another QR code is located in the bottom-left corner of the rear view, with a label '公众号' (Public Account) below it.