

N型双面单晶电池片

Monocrystalline Bifacial TOPCon Cell

TN182A-R16D1

产品特性 Product Characteristics



高转换效率
Higher conversion efficiency



优越的抗PID性能
Excellent Anti-PID



更低的温度系数，低至-0.31%/°C
Lower temperature coefficient, down to -0.31%/°C



更优的弱光特性
Superior low irradiance performance



光致衰减，光致衰减为“0”
Low temperature coefficient, PID “0”



更低的封损，更适合高效组件
Lower CTM loss, More suitable for high-efficiency modules



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电性能特征 Electric Performance

MODEL(%)	Pmpp(W)	Vmpp(V)	Imp(A)	Voc(V)	Isc(A)	FF(%)
25.5	8.42	0.644	13.073	0.735	13.709	83.55
25.4	8.39	0.643	13.042	0.733	13.699	83.51
25.3	8.35	0.642	13.011	0.732	13.682	83.40
25.2	8.32	0.641	12.979	0.731	13.663	83.30
25.1	8.29	0.640	12.948	0.730	13.652	83.15
25.0	8.25	0.638	12.942	0.729	13.636	83.03
24.9	8.22	0.637	12.906	0.727	13.635	82.93
24.8	8.19	0.635	12.895	0.725	13.631	82.85
24.7	8.16	0.635	12.843	0.723	13.629	82.77
24.6	8.12	0.633	12.830	0.721	13.624	82.68
24.5	8.09	0.632	12.799	0.719	13.616	82.62
24.4	8.06	0.630	12.786	0.717	13.610	82.55
24.3	8.02	0.628	12.780	0.716	13.588	82.46
24.2	7.99	0.626	12.764	0.715	13.556	82.43
24.1	7.96	0.624	12.752	0.714	13.532	82.35
24.0	7.92	0.622	12.739	0.713	13.513	82.24

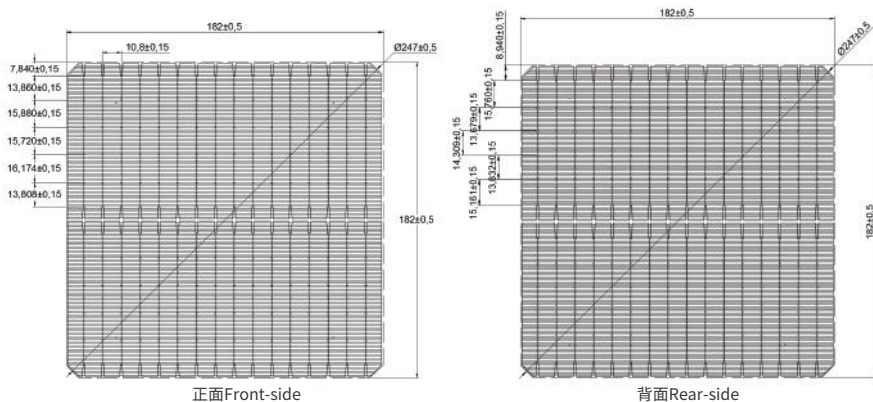
标准测试条件 Standard Test Condition: 光强 Light intensity: 1000W/m², 温度 Temperature: 25±2°C, AM 1.5

温度系数 Temperature Coefficients

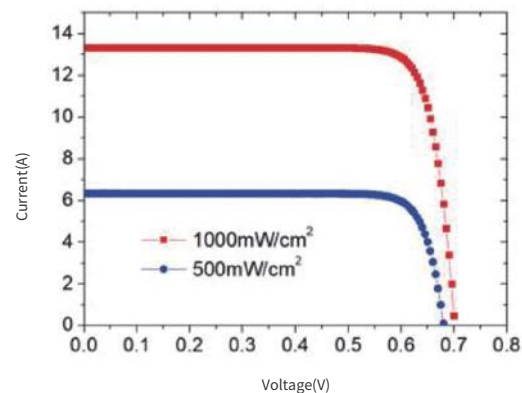
电压温度系数 TkVoltage	-(0.26±0.03)%/K
电流温度系数 TkCurrent	+(0.046±0.015)%/K
功率温度系数 TkPower	-(0.31±0.02)%/K

产品特征 Product Features

尺寸规格 Dimension	182mm×182mm(±0.5mm), Φ247mm±0.5mm
电池厚度 Cell Thickness	130μm±13μm
正面(+)Front side	16根主电极, 氮化硅减反射膜 16 busbars, Silicon nitride antireflection coating
背面(-)Back side	16根主电极, 氮化硅减反射膜 16 busbars, Silicon nitride antireflection coating



IV曲线 IV Curve



光谱响应 Spectral Response (SR)

