

N型双面电池片

N-Type Bifacial Cells

TN182F-Q16D1

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, LID “0”



更高的功率，更适合高功率组件

Higher efficiency solar cells, higher solar module output



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电性能特征 Electric Performance

EFF(%)	Pmpp(W)	Vmpp(V)	Imp(A)	Uoc(V)	Isc(A)
25.6	4.90	0.644	7.608	0.735	7.948
25.5	4.88	0.644	7.579	0.735	7.942
25.4	4.86	0.643	7.561	0.733	7.932
25.3	4.84	0.642	7.543	0.732	7.921
25.2	4.82	0.641	7.524	0.731	7.914
25.1	4.80	0.640	7.506	0.730	7.905
25.0	4.78	0.638	7.500	0.729	7.905
24.9	4.77	0.637	7.482	0.727	7.902
24.8	4.75	0.635	7.475	0.725	7.901
24.7	4.73	0.635	7.445	0.723	7.898
24.6	4.71	0.633	7.438	0.721	7.894
24.5	4.69	0.632	7.420	0.719	7.890
24.4	4.67	0.630	7.413	0.717	7.877
24.3	4.65	0.628	7.406	0.716	7.859
24.2	4.63	0.626	7.399	0.715	7.845

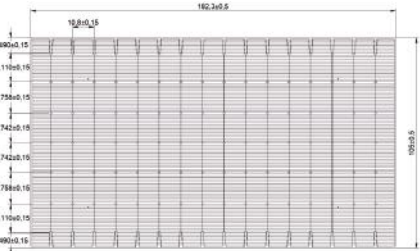
标准测试条件 Standard Test Condition: 光强 Light intensity: 1000W/ m², 温度 Temperature: 25±2℃, AM 1.5

温度系数 Temperature Coefficients

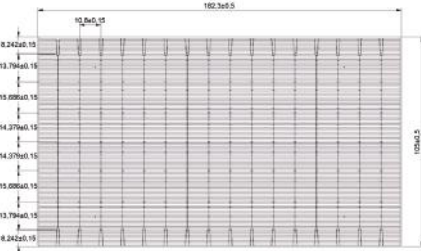
电压温度系数 TkVoltage	-(0.26±0.03)%/K
电流温度系数 TkCurrent	+(0.046±0.015)%/K
功率温度系数 TkPower	-(0.31±0.02)%/K

产品特征 Product Features

尺寸规格 Dimension	182.3mm×105mm(±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

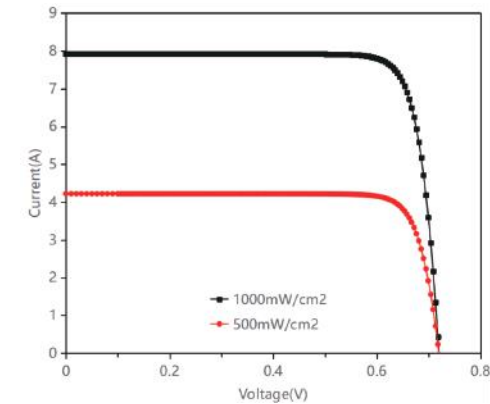


正面Front-side



背面Rear-side

IV曲线 IV Curve



光谱响应 Spectral Response (SR)

