

STANDARD ENERGY CO.,LTD.

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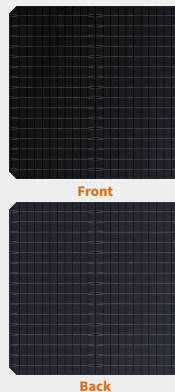
STD-TM1016-01 N-Type TOPCon

KEY FEATURES

Low Optical Attenuation

Lower Packaging Losses

Anti-PID Performance



Size : 183.75mm*182.2mm±0.25mm

Thickness :130±13µm

Solderability: ≥0.9N

The results may vary depending to DS,welding methods and conditions.

Technical Data And Design

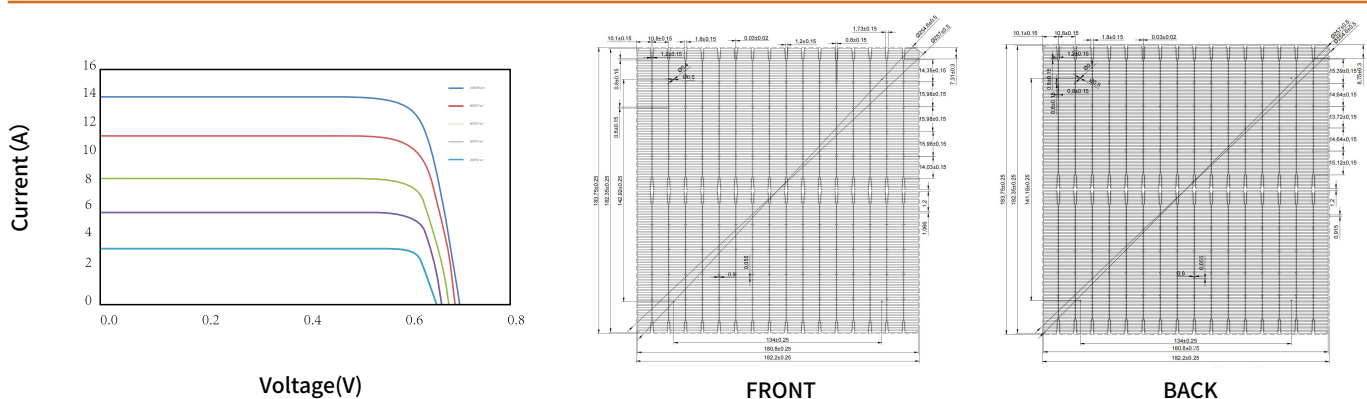
Light Intensity

	Intensity(W/m ²)	Uoc	Isc
Front (-): 16 busbars, 172 fingers	1000	1.000	1.000
Back (+): 16 busbars, 200 fingers	800	0.99	0.8
VOC factor: -0.3% / K	600	0.98	0.6
Current coefficient: + 0.048% / K	400	0.96	0.4
Power coefficient: -0.35% / K	200	0.93	0.2
Parallel resistance /reverse leakage: Rsh≥50Ω, Irev2≤1A			

Front Electrical Performance Parameters (Standard Test Conditions: 1000 W/m², AM1.5, 25°C)

No.	Eff (%)	Efficiency	Pmpp(W)	Umpp(V)	Ipp(A)	Uoc(V)	Isc(A)
1	25.2	25.2-25.3	8.43	0.633	13.3175	0.73635	14.13
2	25.1	25.1-25.2	8.40	0.632	13.2911	0.73532	14.12
3	25.0	25.0-25.1	8.37	0.631	13.2647	0.73429	14.11
4	24.9	24.9-25.0	8.33	0.630	13.2222	0.73326	14.10
5	24.8	24.8-24.9	8.30	0.629	13.1955	0.73223	14.09
6	24.7	24.7-24.8	8.27	0.626	13.2109	0.73120	14.08
7	24.6	24.6-24.7	8.23	0.6259	13.1491	0.73017	14.07
8	24.5	24.5-24.6	8.20	0.6257	13.1053	0.72914	14.06
9	24.4	24.4-24.5	8.17	0.6255	13.0616	0.72811	14.05
10	24.3	24.3-24.4	8.13	0.6251	13.0059	0.72708	14.04
11	24.2	24.2-24.3	8.10	0.6250	12.9600	0.72605	14.03
12	24.1	24.1-24.2	8.07	0.6247	12.9182	0.72502	14.02
13	24.0	24.0-24.1	8.03	0.6245	12.8583	0.72399	14.01
14	23.9	23.9-24.0	8.00	0.6244	12.8123	0.72296	14.00
15	23.8	23.8-23.9	7.97	0.6240	12.7724	0.72193	13.99
16	23.7	23.7-23.8	7.93	0.6237	12.7144	0.72090	13.98
17	23.6	23.6-23.7	7.90	0.6232	12.6765	0.71987	13.97

Iv Curve



As different markets have different certification requirements, please consult our STD sales group to obtain the corresponding certification for the local market.

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