

STANDARD ENERGY CO.,LTD.

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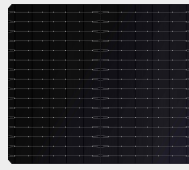
STD-TM1216 N-Type TOPCon

KEY FEATURES

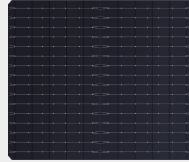
Low Optical Attenuation

Lower Packaging Losses

Anti-PID Performance



Front



Back

Size : 182.2mm*210mm±0.25mm

Thickness :130±13µm

Solder Ability: ≥0.5N/mm

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

Technical Data And Design

Light Intensity

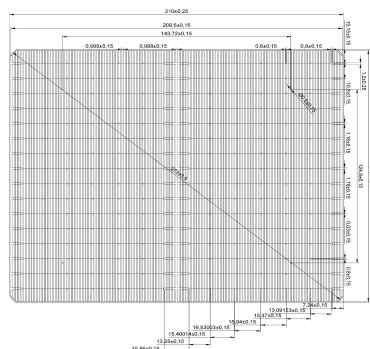
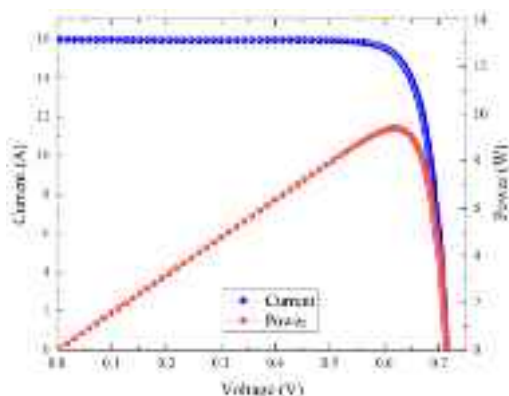
Power: -0.32%/K	Intensity(W/m²)	Uoc	Isc
Voltage: -0.26 %/K	1000	1.000	1.000
Current: +0.046%/K	900	0.996	0.903
Front (-): 16busbar (silver), 210 Fingers	800	0.991	0.803
Back (+): 16busbar (silver), 228 Fingers	600	0.988	0.602
	400	0.962	0.403

Take the Uoc (Isc) at 1000W/m2, AM1.5, 25°C as the standard, test the range of Voc(Isc) decreased with light intensity.

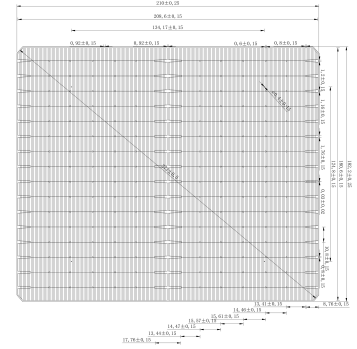
Front Electrical Performance Parameters

Eff(%)	Efficiency	Pmpp (W)	I _{mp} (A)	U _{mp} (V)	I _{sc} (A)	U _{oc} (V)
25.2	25.2-25.3	9.62	14.25	0.6750	14.25	0.7364
25.1	25.1-25.2	9.58	14.23	0.6730	14.24	0.7353
25.0	25.0-25.1	9.55	14.23	0.6710	14.22	0.7343
24.9	24.9-25.0	9.51	14.19	0.6700	14.19	0.7333
24.8	24.8-24.9	9.47	14.16	0.6690	14.11	0.7322
24.7	24.7-24.8	9.43	14.16	0.6660	14.10	0.7312
24.6	24.6-24.7	9.39	14.10	0.6659	14.09	0.7302
24.5	24.5-24.6	9.36	14.06	0.6657	14.06	0.7291
24.4	24.4-24.5	9.32	14.00	0.6655	14.05	0.7281
24.3	24.3-24.4	9.28	13.95	0.6651	14.04	0.7271
24.2	24.2-24.3	9.24	13.89	0.6650	14.03	0.7261
24.1	24.1-24.2	9.20	13.84	0.6647	14.02	0.7250
24.0	24.0-24.1	9.16	13.78	0.6645	14.01	0.7240
23.9	23.9-24.0	9.13	13.74	0.6644	14.00	0.7230

Iv Curve



FRONT



BACK