





# STANDARD ENERGY CO.,LTD.

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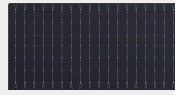
# STD-HM1218 N-Type HJT

## KEY FEATURES

-  Higher Power Per Cell
-  No PID, LID Effect
-  Duplex Rate of Over 95%
-  Low Temperature Coefficient



Front



Back

**Size :** 210mm\*105mm±0.25mm

**Thickness :**120±20µm;110±20µm

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

## Technical Data And Design

**Power:** -0.258%/K

**Voltage:** -0.27 %/K

**Current:** +0.055%/K

**Front (-):** 18\*0.04mm main grid lines, 58±8 secondary grid lines, blue transparent conductive film (TCO)

**Back (+):** 18\*0.04mm main grid lines, 108±14 secondary grid lines, blue transparent conductive film (TCO)

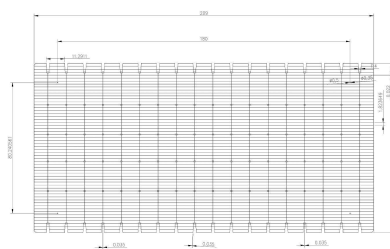
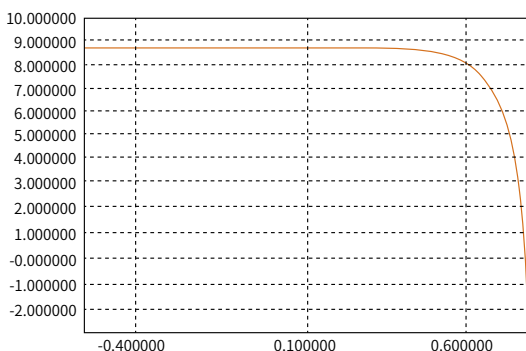
## Front Electrical Performance Parameters

Eff (%)	Pmpp (W)	Uoc (V)	Isc (A)	FF (%)	Umpp (V)	Impp (A)
26.0	5.73	0.7516	8.732	87.35	0.683	8.392
25.9	5.71	0.7515	8.724	87.11	0.682	8.372
25.8	5.69	0.7513	8.717	86.86	0.681	8.353
25.7	5.67	0.7510	8.710	86.62	0.680	8.333
25.6	5.64	0.7509	8.701	86.39	0.679	8.313
25.5	5.62	0.7507	8.695	86.13	0.678	8.292
25.4	5.60	0.7506	8.687	85.89	0.677	8.272
25.3	5.58	0.7504	8.680	85.64	0.676	8.252
25.2	5.56	0.7502	8.673	85.39	0.675	8.231
25.1	5.53	0.7500	8.665	85.15	0.674	8.211
25.0	5.51	0.7498	8.658	84.91	0.673	8.190
24.9	5.49	0.7495	8.650	84.68	0.672	8.170

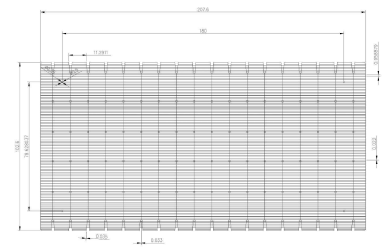
## Back Electrical Performance Parameters

Eff (%)	Pmpp (W)	Uoc (V)	Isc (A)	FF (%)	Umpp (V)	Impp (A)
>24.1	5.31	0.7473	8.592	82.76	0.664	8.002
24.0-24.1	5.29	0.7470	8.584	82.51	0.663	7.981
<24.0	5.27	0.7467	8.577	82.27	0.662	7.960

## Iv Curve



FRONT



BACK