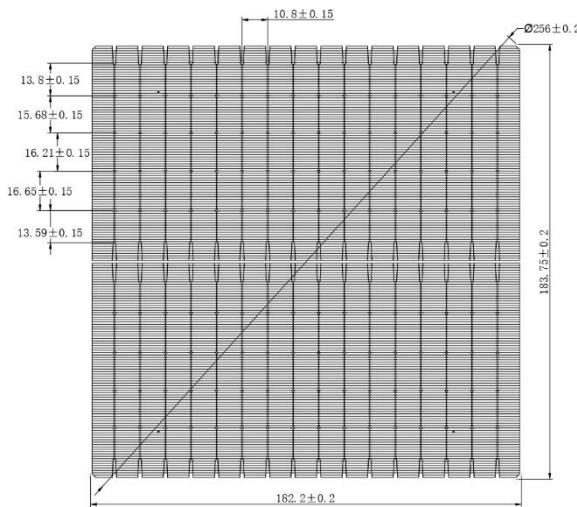


ZEMA NEW ENERGY GHANA LIMITED COMPANY

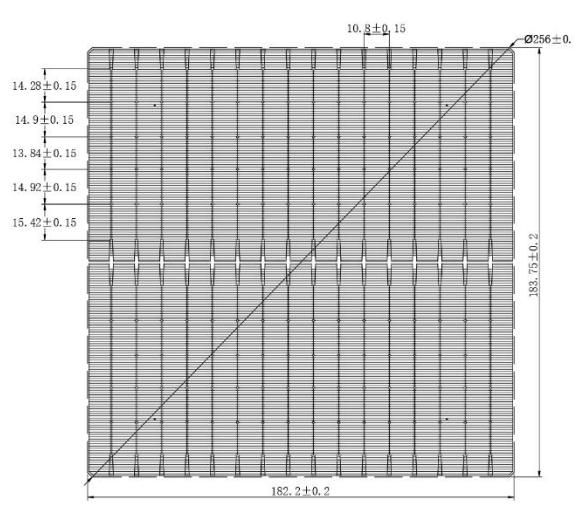
ZEMA 太阳能 183-N 型单晶 TOPCon 双面电池产品

产品外观

正面/Front



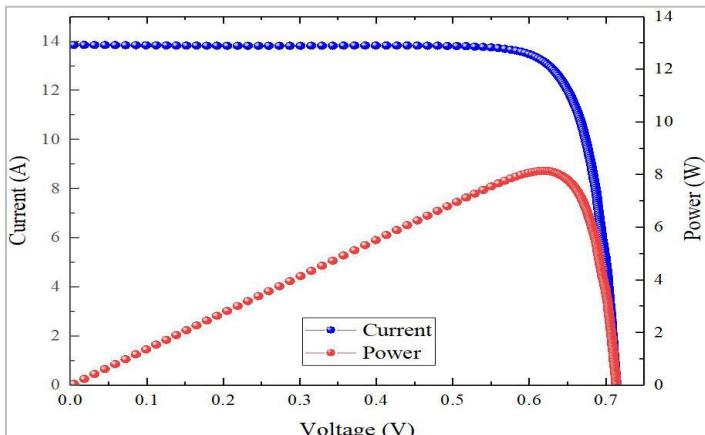
背面/Back



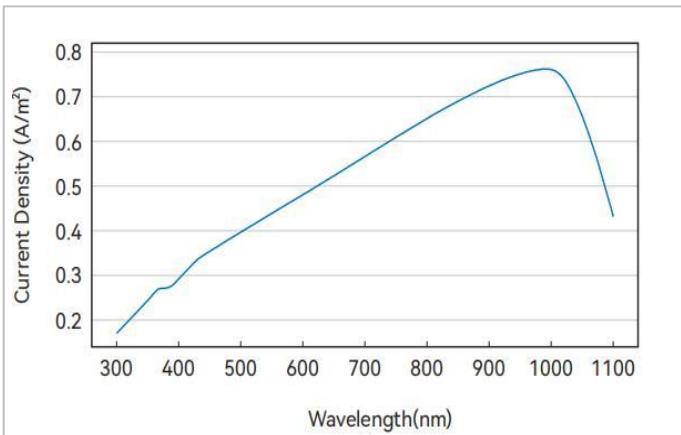
技术数据与设计

尺寸规格	182.2mm*183.75mm±0.5mm, Φ 256mm±0.5mm	TkVoltage: -0.255 ± 0.010%/K
电池厚度	130±10% μm	TkCurrent: +0.041±0.004%/K
正面	16 主栅, 12 焊点, 184 栅, 蓝色减反射膜(氮化硅)	TkPower: -0.305±0.025%/K
背面	16 主栅, 12 焊点, 186 栅, 蓝色减反射膜(氮化硅)	Rsh≥50Ω, Irev2≤1A

IV 曲线



光谱效应



正面电性能参数

Eff. Grade (%)	P _{mpp} (W)	V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)	FF (%)
25.6	8.57	0.633	13.531	0.721	14.112	84.20
25.5	8.54	0.633	13.496	0.720	14.095	84.07
25.4	8.50	0.632	13.456	0.720	14.069	83.98
25.3	8.47	0.631	13.428	0.719	14.045	83.88
25.2	8.43	0.630	13.388	0.718	14.016	83.80
25.1	8.40	0.629	13.360	0.717	13.994	83.69
25.0	8.37	0.628	13.325	0.717	13.980	83.53
24.9	8.33	0.628	13.269	0.716	13.955	83.41
24.8	8.30	0.627	13.240	0.714	13.943	83.34
24.7	8.27	0.626	13.201	0.713	13.932	83.27
24.6	8.23	0.625	13.173	0.711	13.921	83.18
24.5	8.20	0.623	13.161	0.709	13.913	83.10

标准测试条件: 1000W/m², AM1.5, 25°C

以上技术参数受限于技术变更及测试, ZEMA 保留最终解释权。

背面电性能参数

Eff. Grade (%)	P _{mpp} (W)	V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)	FF (%)
>20.5	6.81	0.587	11.599	0.692	12.904	76.17
20.3-20.5	6.77	0.586	11.558	0.691	12.860	76.15
20.1-20.3	6.74	0.585	11.518	0.690	12.814	76.13
<20.1	6.70	0.583	11.487	0.689	12.794	75.9

标准测试条件: 1000W/m², AM 1.5, 25°C

以上技术参数受限于技术变更及测试条件, ZEMA 保留最终解释权。