

Saintek monocrystalline cell specifications

N type-182-16BB Bifacial Half Slice Pattern

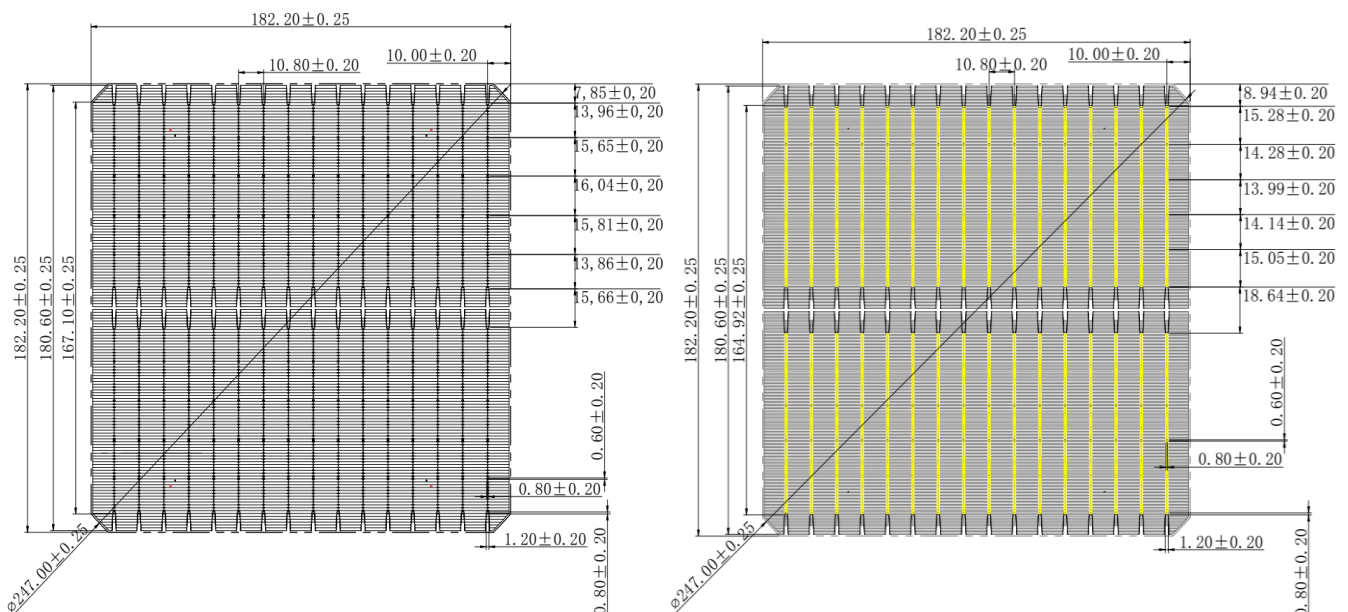
产品列表Product list

硅片类型 Silicon type	单晶 Mono-crystalline
尺寸规格 size	182.2*182.2±0.25Φ247mm
正电极图形 Front electrode pattern	十六主栅/sixteen busbar 间距interval: 10.8mm

电池片型号Solar cells model

N型182-16BB双面电池 N type-182-16BB Bifacial cell

产品外观/ Product appearance



电池片规格参数

参数项目Parameter items	规格Standard	公差Tolerance	单位Unit
正面 Front surface	A 细栅线数量 Finger quantity	156	Line
	B 正面焊盘宽度 Front busbar width	1.2/0.8	±0.15 mm
	C 主栅线间距 Distance between busbars	10.8	±0.15 mm
背面 Rear surface	a 背面焊盘宽度 Front busbar width	1.2/0.8	±0.15 mm
	b 背面栅线之间的距离 Distance between back busbars	10.8	±0.15 mm
	c 背面细栅线数量 Back finger quantity	300	Line

正面效率/ Front Efficiency:

档位 Eff (%)	效率区间 Efficiency	功率P _{mpp} (W)	最大功率电流 I _{mpp} (A)	最大功率电压 U _{mpp} (v)	短路电流 I _{sc} (A)	开路电压 U _{oc} (V)
25.2	25.2-25.3	8.32	13.005	0.639	13.666	0.737
25.1	25.1-25.2	8.29	12.985	0.638	13.647	0.736
25.0	25.0-25.1	8.25	12.965	0.636	13.628	0.734
24.9	24.9-25.0	8.22	12.945	0.634	13.609	0.733
24.8	24.8-24.9	8.19	12.925	0.634	13.590	0.731
24.7	24.7-24.8	8.15	12.900	0.632	13.555	0.730
24.6	24.6-24.7	8.12	12.890	0.630	13.535	0.728
24.5	24.5-24.6	8.09	12.870	0.628	13.515	0.726
24.4	24.4-24.5	8.05	12.840	0.627	13.500	0.725
24.3	24.3-24.4	8.02	12.820	0.626	13.485	0.723
24.2	24.2-24.3	7.99	12.800	0.624	13.455	0.721
24.1	24.1-24.2	7.96	12.785	0.622	13.445	0.720
24.0	24-24.1	7.92	12.775	0.620	13.435	0.718
23.9	23.9-23.8	7.89	12.765	0.618	13.425	0.716
23.8	23.8-23.9	7.86	12.755	0.616	13.415	0.714
23.7	23.7-23.8	7.82	12.740	0.614	13.395	0.712

标准检验条件 (STC) / Standard Test Condition (STC)

- a. 光强Intensity 1000W/m²
- b. 光谱Spectrum AM1.5G
- c. 温度Temperature 25°C

温度系数/ Temperature coefficient

- a. Voc -0.25%/°C
- b. Isc +0.055%/°C
- c. Pm -0.32%/°C

电池片厚度/Cell thickness

厚度 thickness 150 ± 15 μm