

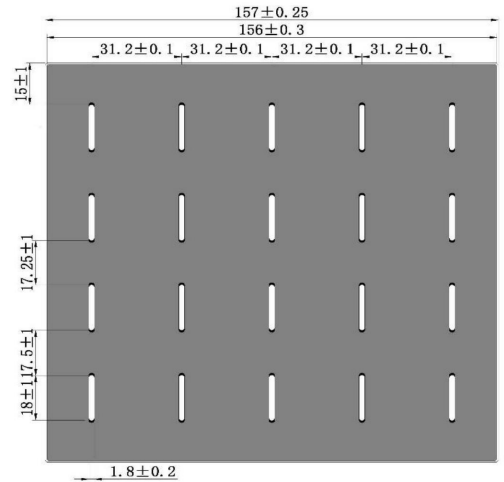
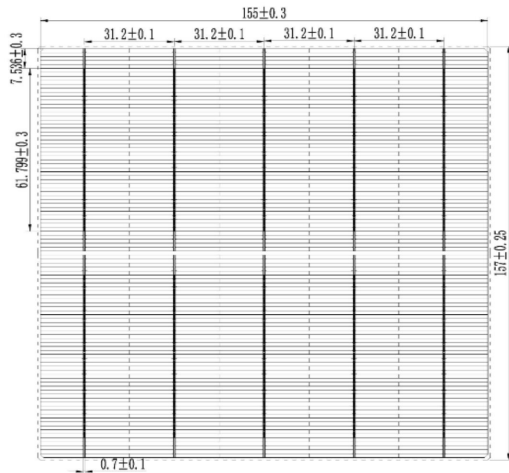
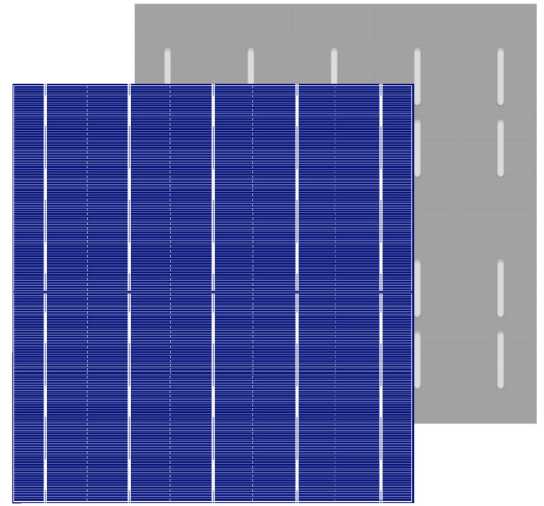
# TN SOLAR

## POLY SOLAR CELLS

### 157-5BB

#### QUALITY CONTROL

- The accuracy of efficiency test is controlled within  $\pm 0.1\%$ .
- Electrical performance, appearance, EL 100% automatic inspection.
- Calibration cells are traceable to Fraunhofer ISE.



#### The electrical properties of PERC solar cells

转换效率 Eff (%)	功率 P <sub>mpp</sub> (W)	最大工作电压 U <sub>mpp</sub> (V)	最大工作电流 I <sub>mpp</sub> (A)	开路电压 U <sub>oc</sub> (V)	短路电流 I <sub>sc</sub> (A)	最小工作电流 I <sub>mpp</sub> (A)
≥ 19.0	4.67	0.548	8.513	0.645	9.024	8.20
18.90	4.64	0.547	8.489	0.644	9.003	8.20
18.80	4.62	0.546	8.461	0.643	8.991	8.20
18.70	4.59	0.544	8.440	0.641	8.977	8.20
18.60	4.57	0.543	8.424	0.640	8.958	8.20
18.50	4.55	0.541	8.406	0.638	8.936	8.15
18.40	4.52	0.539	8.382	0.637	8.920	8.15
18.30	4.50	0.538	8.362	0.636	8.907	8.15
18.20	4.47	0.535	8.351	0.634	8.892	8.10
18.10	4.45	0.534	8.333	0.633	8.880	8.10
≤ 18.0	4.42	0.532	8.315	0.632	8.868	8.10

#### PRODUCT FEATURE

#### TEMPERATURE INDEX

Format	157mm x 157mm $\pm 0.25$ mm	Tk Voltage:	-0.36%/k
Thickness	170mm $\pm 30$ um	Tk Current:	+0.07%/k
Front	5*0.7mm busbar(silver), 108 fingers, blue silicon nitride anti-reflection coating(PID free)	Tk Power:	-0.38%/k
Back	1.7mm wide soldering pads(silver) and 3.2mm wide soldering pads(aluminum), back surface passivated emitter(AIOx and SiNx dual layer) rear contact	Rsh $\geq 30 \Omega$ , I <sub>rev</sub> $\leq 0.8$ A	