

# N-Type TOPCon

## 182 Mono Bifacial 16BB Cell



GRAND MOUNTAIN



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### KEY FEATURES



Higher Conversion Efficiency



Uniform Cell Performance



Excellent Power Generation Performance



Low Light-induced Degradation

### Average Efficiency

# 24.6~25.2%

### Technical Data And Design

TkPower: -0.35%/K	TkVoltage: -0.3%/K	TkCurrent: +0.048%/K
Dimension: 182.2mm*182.2mm±0.25mm	Cell Thickness: 140±14 μm	Solderability: ≥0.9N/mm
Front (-): 16*0.05mm busbars(silver), 150fingers, blue anti-reflecting coating(silicon oxynitride) (nitrous oxide)		
Back (+): 16*0.05mm busbars(silver), 168fingers, blue anti-reflecting coating(silicon nitride)		
The results may be influenced by electrode, welding method and conditions.		

### Electrical Performance

Efficiency	Unit	25.3	25.2	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.2	24.1	24.0
Voc	V	0.7306	0.7282	0.7260	0.7240	0.7215	0.7190	0.7170	0.7145	0.7120	0.7095	0.7070	0.7050	0.7030	0.7010
Isc	A	13.715	13.71	13.703	13.695	13.69	13.689	13.675	13.67	13.665	13.66	13.655	13.645	13.635	13.627
Vmpp	V	0.624	0.622	0.620	0.619	0.617	0.615	0.613	0.612	0.611	0.609	0.608	0.606	0.604	0.603
Impp	A	13.381	13.360	13.355	13.328	13.323	13.301	13.295	13.268	13.241	13.235	13.191	13.185	13.179	13.134
Pmpp	W	8.35	8.31	8.28	8.25	8.22	8.18	8.15	8.12	8.09	8.06	8.02	7.99	7.96	7.92
FF%	W	83.36	83.33	83.30	83.26	83.24	83.21	83.19	83.18	83.16	83.13	83.11	83.07	83.03	83.00

Standard Test Conditions: 1000W/m<sup>2</sup>, AM1.5, 25 °C

### Packaging Storage

Solar cells are closely packed with soft sponge around and heat shrink is used around the box unit. Outer packing box must have shock buffer, to be suitable for long-distance delivery.

After packaging, cells should be stored indoors in the conditions of good ventilation, dry, humidity below 60%, and temperature ≤ 40 °C . Cells should be sampling inspected again if the storage time over 45 days.

### Iv Curve

