Product characteristics

High conversion efficiency
Front efficiency≥26%

LID is "0"
Bifacial rate≥80%

Superior anti-PID performance

Temperature coefficient of Power
As low as -0.30%/K

Relative conversion efficiency≥97% under low light(200W/m2)

Lower Cell to Module (CTM) Loss Rate, more suitable for high-efficiency module

TOPCon HS-182M

HERSHEY-POWER

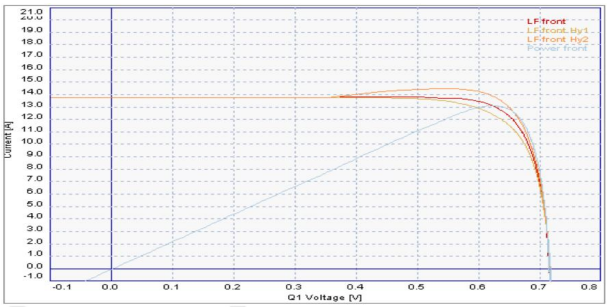
Temperature Coefficients

TkCurrent：0.045%/K

TkVoltage：-0.25%/K

TkPower：-0.30%/K

IV Curve



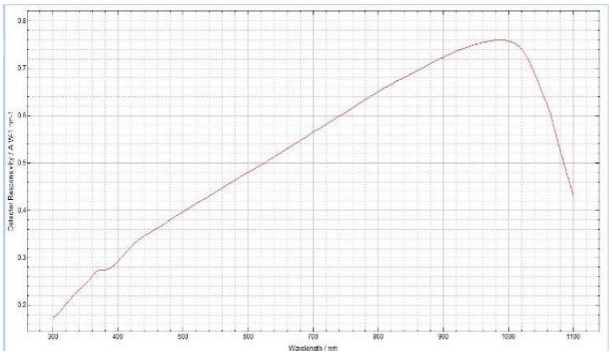
Quality Control

The accuracy of the efficiency test is controlled within ±0.1%

Calibration cells are traceable to Fraunhofer ISE

Electrical performance, appearance, EL 100% automatic inspection

Spectral response

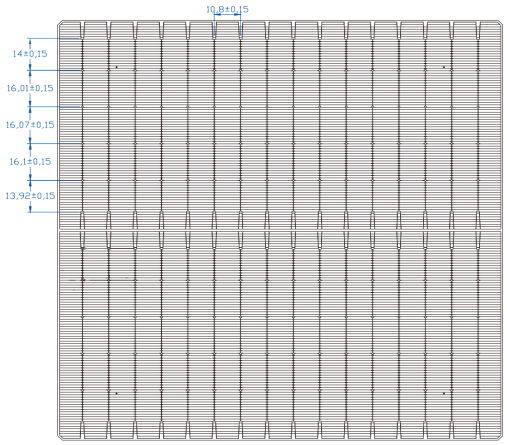


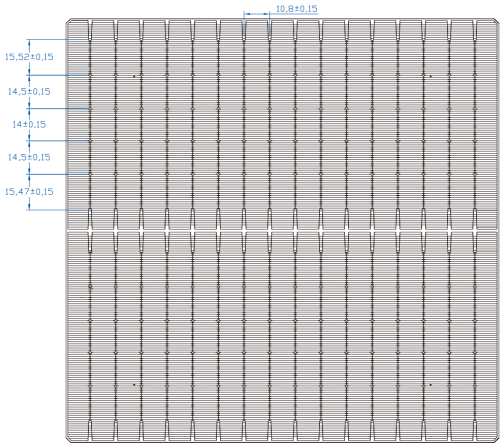
Geometry characteristics

Model	182 Topcon Bifacial solar cell
Geometry	182.2mmx183.75mm±0.5mm，Φ256mm±0.5mm
Thickness	130μm±13μm
Front	16 busbars, 12 pads, 172 fingers, busbar width 0.036±0.02mm
Back	16 busbars, 12 pads, 200 fingers, busbar width 0.036±0.02mm

电性能 Electrical characteristics

MODEL(%)	Power Pmpp(W)	Max.Power Current Impp(A)	Short Circuit Current Isc(A)	Max.Power Voltage Vmpp(V)	Open Circuit Voltage Voc(V)
25.50%	8.50	13.264	13.894	0.6410	0.7204
25.40%	8.47	13.246	13.924	0.6393	0.7210
25.30%	8.43	13.241	13.900	0.6370	0.7176
25.20%	8.40	13.252	13.900	0.6339	0.7153
25.10%	8.37	13.237	13.900	0.6322	0.7139
25.00%	8.33	13.256	13.884	0.6289	0.7095
24.90%	8.30	13.227	13.897	0.6281	0.7132
24.80%	8.27	13.223	13.885	0.6260	0.7103
24.70%	8.23	13.197	13.867	0.6250	0.7083
24.60%	8.20	13.231	13.897	0.6211	0.7041
24.50%	8.17	13.201	13.884	0.6203	0.7084
24.40%	8.13	13.209	13.902	0.6177	0.7019
24.30%	8.10	13.196	13.863	0.6161	0.6997
24.20%	8.07	13.199	13.867	0.6137	0.6974
24.10%	8.03	13.243	13.927	0.6094	0.6932
24.00%	8.00	13.868	13.916	0.6250	0.7210





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