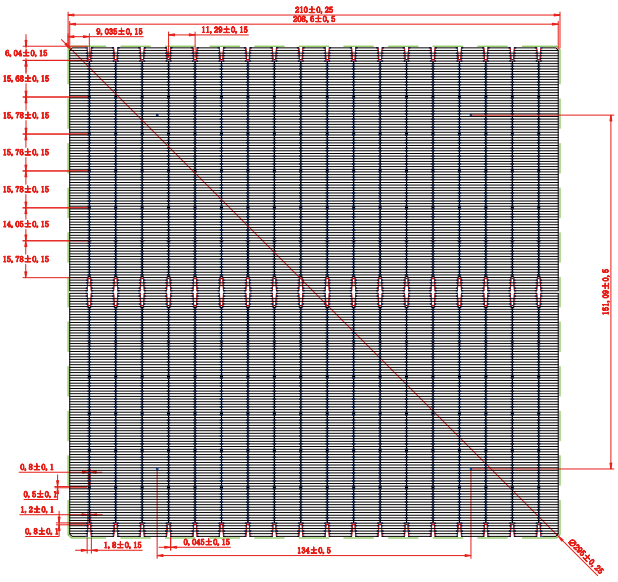
FOUR SEAS SOLAR

TSG12T0118

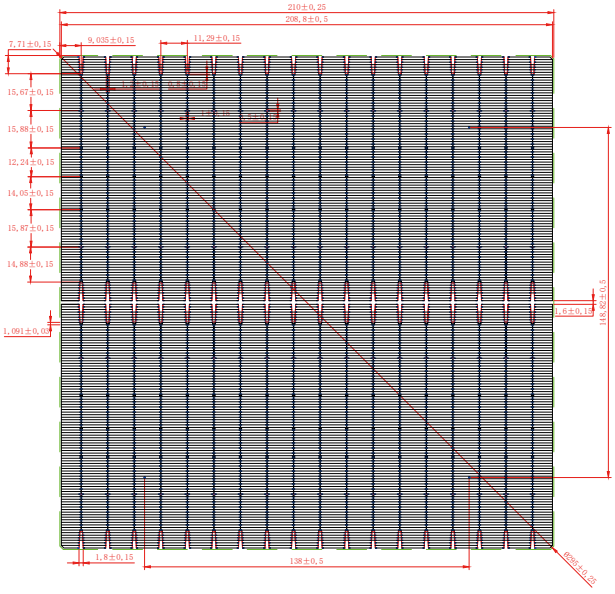
210 Monocrystalline Bifacial TOPCon Solar Cell

- Low reflection of uniform fine texturing structure
- Selective emitter
- In situ doped ultra-thin poly-Si
- Low decay

PRODUCT APPEARANCE



Front



Back

ELECTRICAL PERFORMANCE

Eff(%)	25.60	25.50	25.40	25.30	25.20	25.10	25.00	24.90	24.80	24.70	24.60	24.50
Voc(V)	0.722	0.721	0.720	0.719	0.718	0.717	0.716	0.715	0.714	0.713	0.712	0.711
Isc(A)	18.516	18.515	18.515	18.514	18.509	18.496	18.490	18.489	18.488	18.487	18.484	18.470
Vmpp(V)	0.620	0.619	0.618	0.617	0.616	0.615	0.614	0.613	0.612	0.611	0.610	0.609
Impp(A)	18.189	18.166	18.124	18.082	18.039	17.997	17.954	17.912	17.869	17.826	17.783	17.740
Pmpp(W)	11.29	11.24	11.20	11.16	11.11	11.07	11.02	10.98	10.94	10.89	10.85	10.80

Standard Test Conditions: 1000W/m²,AM1.5,25 ℃

APPEARANCE AND STRUCTURE

Substrate material	N-type mono-crystalline silicon wafer-TOPCon
Cell thickness	135μm±13.5μm
Dimension	210mm*210mm±0.25mm
Diagonal	295mm±0.25mm
Front(-)	18 bus bars, 186 lines, Silicon oxide + blue silicon nitride compound anti reflection coating
Back (+)	18 bus bars, 192 lines, Silicon oxide + blue silicon nitride compound anti reflection coating

TEMPERATURE COEFFICIENT

TkPower	-(0.33±0.02)%/k
TkVoltage	-(0.27±0.03)%/k
TkCurrent	+(0.045±0.015)%/k

LIGHT INDUCED DEGRADATION

Using Xenon lamp (Iradiance of 1000W/m²,with spectrum AM 1.5) to iradiate test cells, after a total irradiation of 5 kwh/m² ,the degradation of maximum output power of cells is ≤2%

ANTI-PLD

Potential induced Degradation(-1500V,192h):≤5%

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 humidity below 60%, and temperature 20±10℃ , Cells should be sampling inspected again if the storage time over 90 days.

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