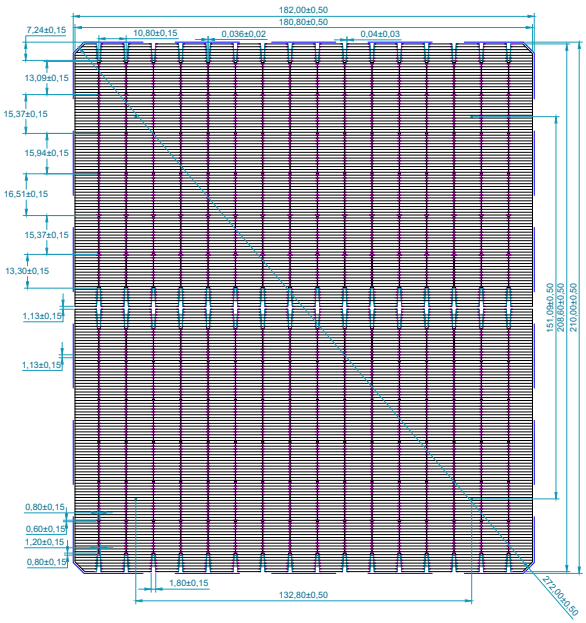
FOUR SEAS SOLAR

TSG11T0116

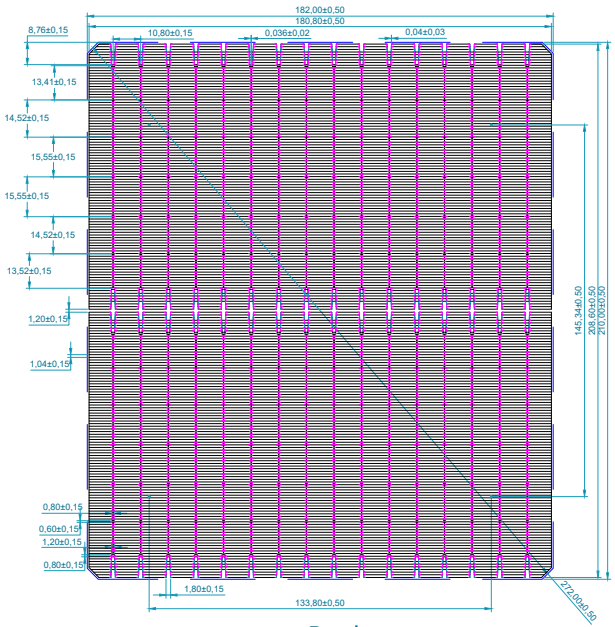
Monocrystalline Bifacial TOPCon Solar Cell

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

PRODUCT APPEARANCE



Front



Back

ELECTRICAL PERFORMANCE

Eff(%)	25.30	25.20	25.10	25.00	24.90	24.80	24.70	24.60	24.50
Voc(V)	0.727	0.726	0.725	0.724	0.723	0.722	0.721	0.720	0.719
Isc(A)	15.979	15.961	15.945	15.923	15.901	15.888	15.867	15.844	15.825
Vmpp(V)	0.625	0.624	0.623	0.622	0.621	0.62	0.619	0.618	0.617
Impp(A)	15.457	15.420	15.384	15.347	15.310	15.274	15.237	15.199	15.162
Pmpp(W)	9.66	9.62	9.58	9.55	9.51	9.47	9.43	9.39	9.36

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

APPEARANCE AND STRUCTURE

Substrate material	N-type mono-crystalline silicon wafer-TOPCon
Cell thickness	130μm±13μm
Dimension	182mm*210mm±0.5mm
Diagonal	272mm±0.5mm
Front(-)	16 bus bars, 186 lines, Silicon oxide + blue silicon nitride compound anti reflection coating
Back (+)	16 bus bars, 202 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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