

## TOPCon Series

### Features Performance and Quality

- Industry-Leading efficiency of N-type mono-crystalline silicon solar cell
- Compatible with present mainstream module manufacturing process
- 100% in-line optical and electrical inspection

## NSEZC 182mm Monocrystalline Silicon Solar Cell (PID FREE) Pattern Code 16BB-27T34

### PHYSICAL CHARACTERISTICS

**Dimensions** 182.2mm×182.2mm±0.5mmΦ247.28mm±0.5mm

**Thickness** 130μm ±13μm

**Front** 16 Bus-bars width 0.036mm ± 0.02mm  
Distance between bus-bars: 10.8 mm ± 0.15mm

**Back** 16 Bus-bars width 0.036mm ± 0.02mm  
Distance between bus-bars: 10.8 mm ± 0.15mm

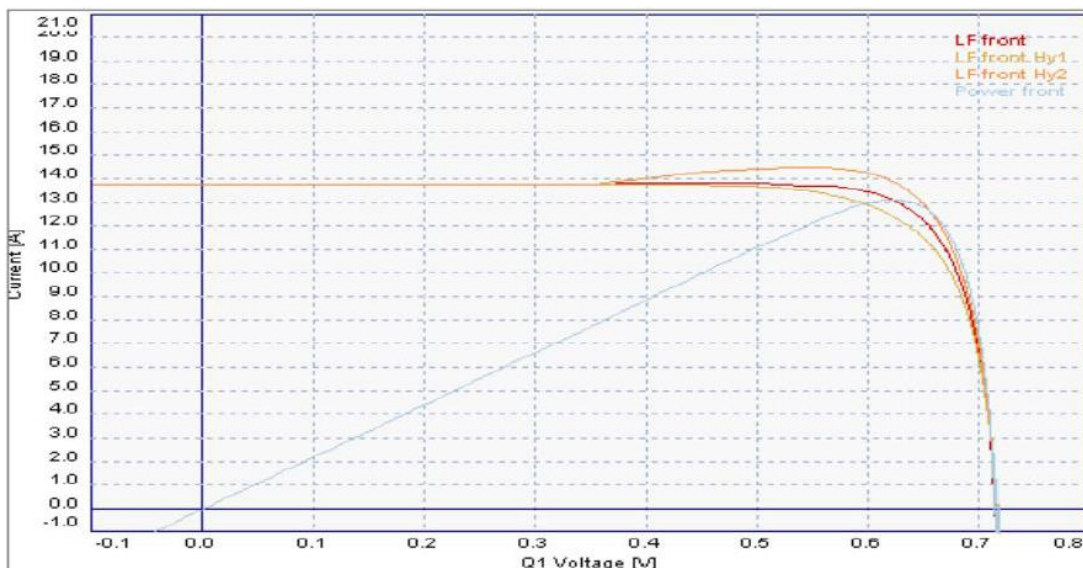
### ELECTRICAL CHARACTERISTICS

Code	25.5	25.4	25.3	25.2	25.1	25	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.2
Pmpp (W)	8.419	8.386	8.353	8.320	8.287	8.254	8.220	8.187	8.154	8.121	8.088	8.055	8.022	7.989
Umpp (V)	0.645	0.643	0.641	0.640	0.638	0.638	0.634	0.632	0.630	0.628	0.626	0.625	0.623	0.622
Impp (A)	13.054	13.048	13.039	13.028	13.017	13.005	12.993	12.983	12.972	12.963	12.958	12.942	12.921	12.912
Voc (V)	0.724	0.722	0.721	0.720	0.719	0.718	0.717	0.717	0.716	0.716	0.716	0.715	0.715	0.714
Isc (A)	13.687	13.682	13.678	13.673	13.670	13.668	13.666	13.666	13.664	13.663	13.662	13.662	13.659	13.653
Temperature coefficients TkCurrent : 0.045%/K , TkVoltage : -0.25%/K , TkPower : -0.32%/K														

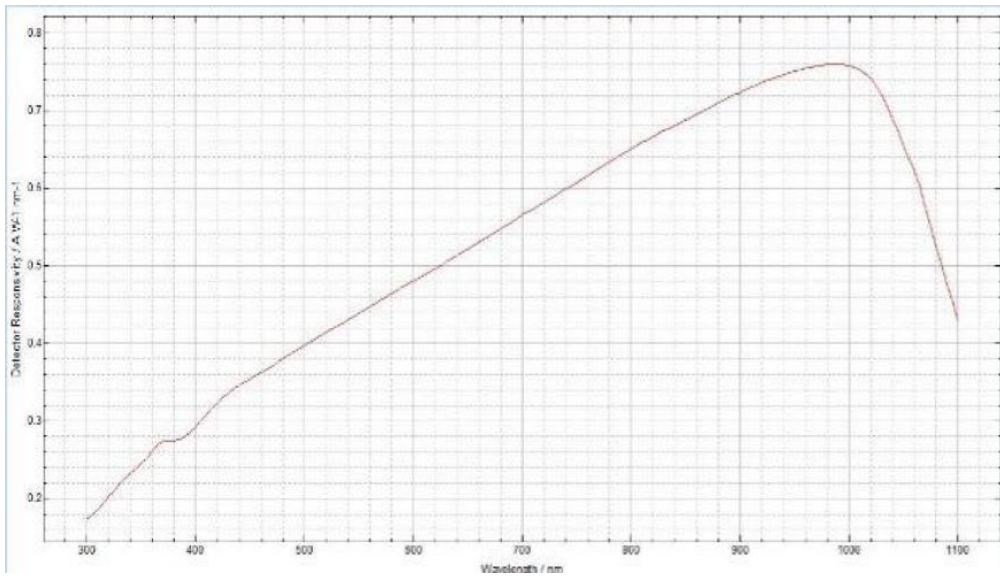
Code	24.1	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8
Pmpp (W)	7.956	7.923	7.890	7.857	7.824	7.791	7.758	7.725	7.692	7.659	7.626	7.593	7.560	7.527
Umpp (V)	0.621	0.619	0.617	0.616	0.613	0.614	0.613	0.611	0.610	0.607	0.609	0.600	0.602	0.598
Impp (A)	12.888	12.876	12.880	12.856	12.863	12.810	12.770	12.761	12.742	12.756	12.669	12.803	12.722	12.735
Voc (V)	0.714	0.716	0.716	0.715	0.715	0.714	0.714	0.715	0.716	0.716	0.717	0.714	0.712	0.716
Isc (A)	13.647	13.653	13.660	13.662	13.661	13.644	13.657	13.646	13.662	13.661	13.580	13.663	13.614	13.661
Temperature coefficients TkCurrent : 0.045%/K , TkVoltage : -0.25%/K , TkPower : -0.32%/K														

The above data are average figures presently measured. Accuracy of eff. measurement is ±0.1%.  
Reference data are calibrated by Fraunhofer ISE Freiburg.

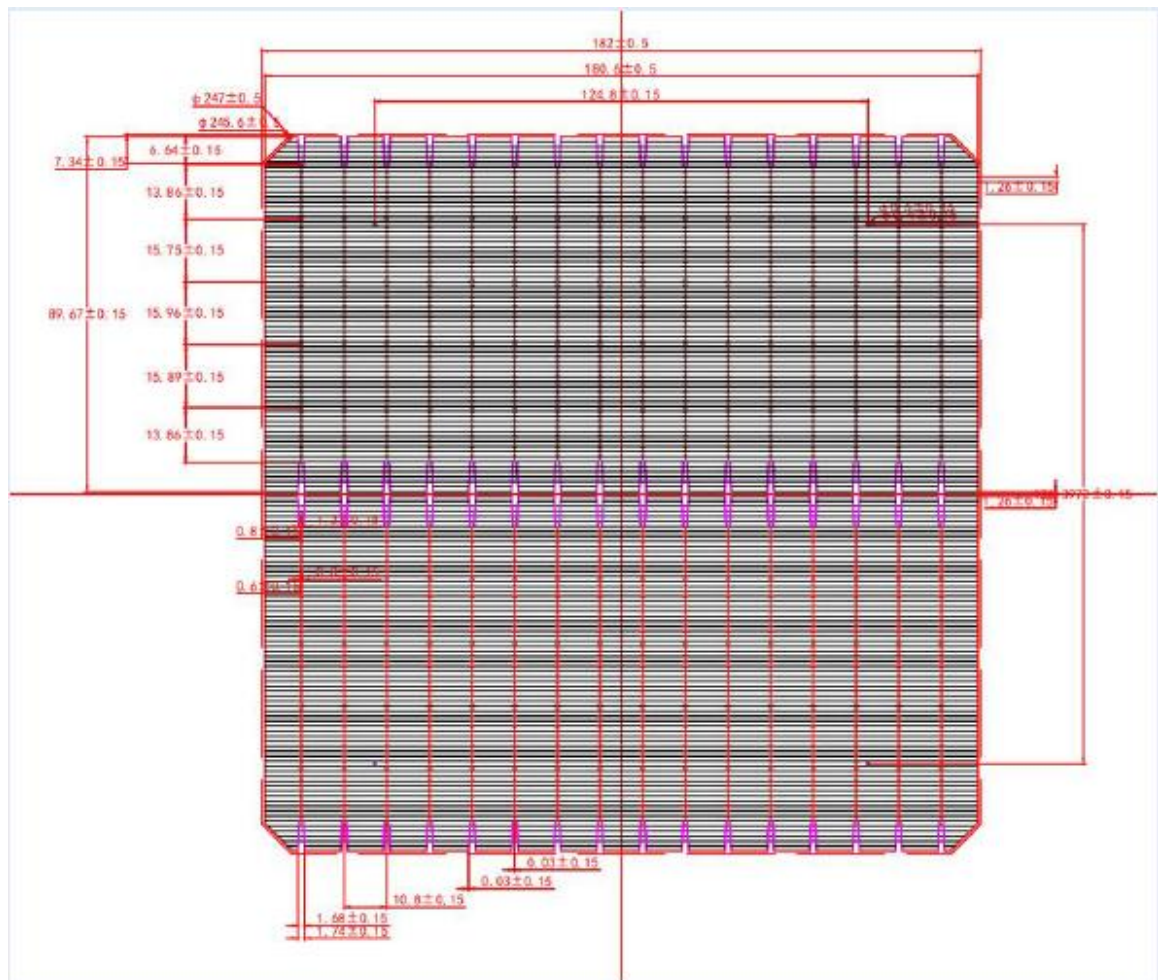
### IV-Curve



## Spectral response



## APPEARANCE\_FRONT SIDE



# APPEARANCE\_BACK SIDE

