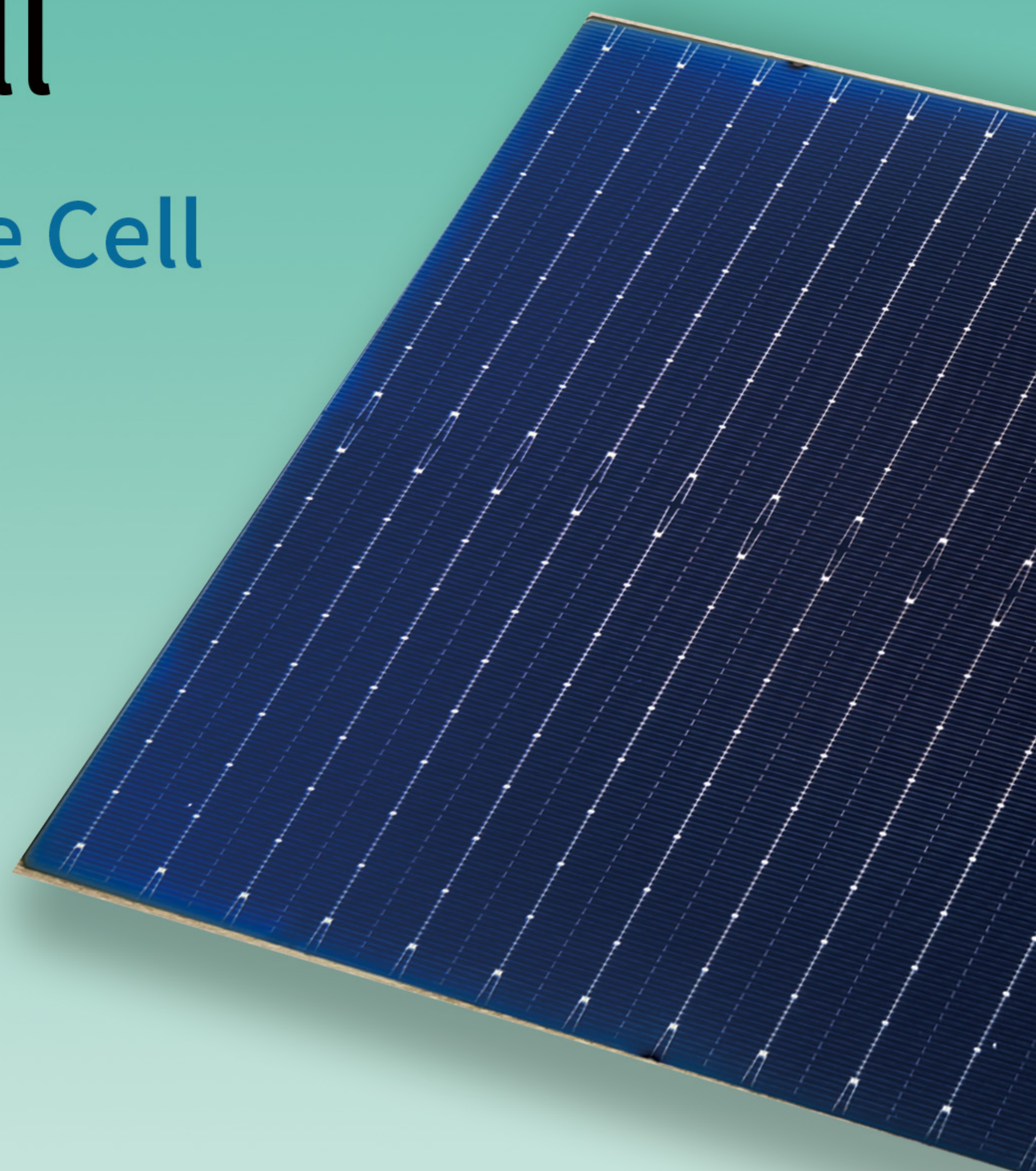


# Kylin N-type Series Cell

## Bifacial Monocrystalline N-Type Cell

### YSG-R210-16BB



High Conversion Efficiency  
Front Efficiency >23.5%



Bifacial  
Efficiency >75%



LID  $\leq$  1.5%



Superior  
Anti-PID  
Performance

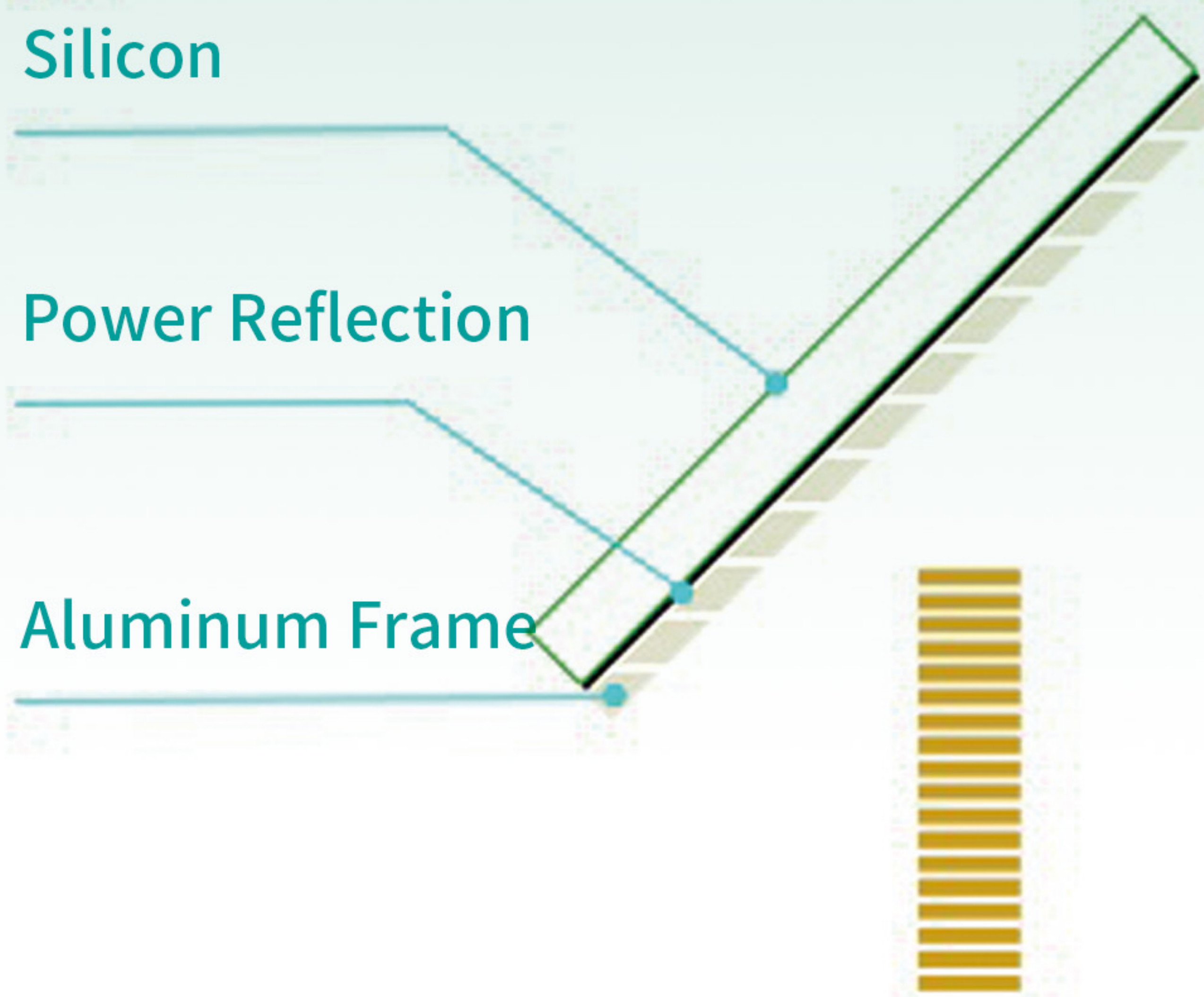


Power  
Temperature  
Coefficient  
As low as -0.34%/K

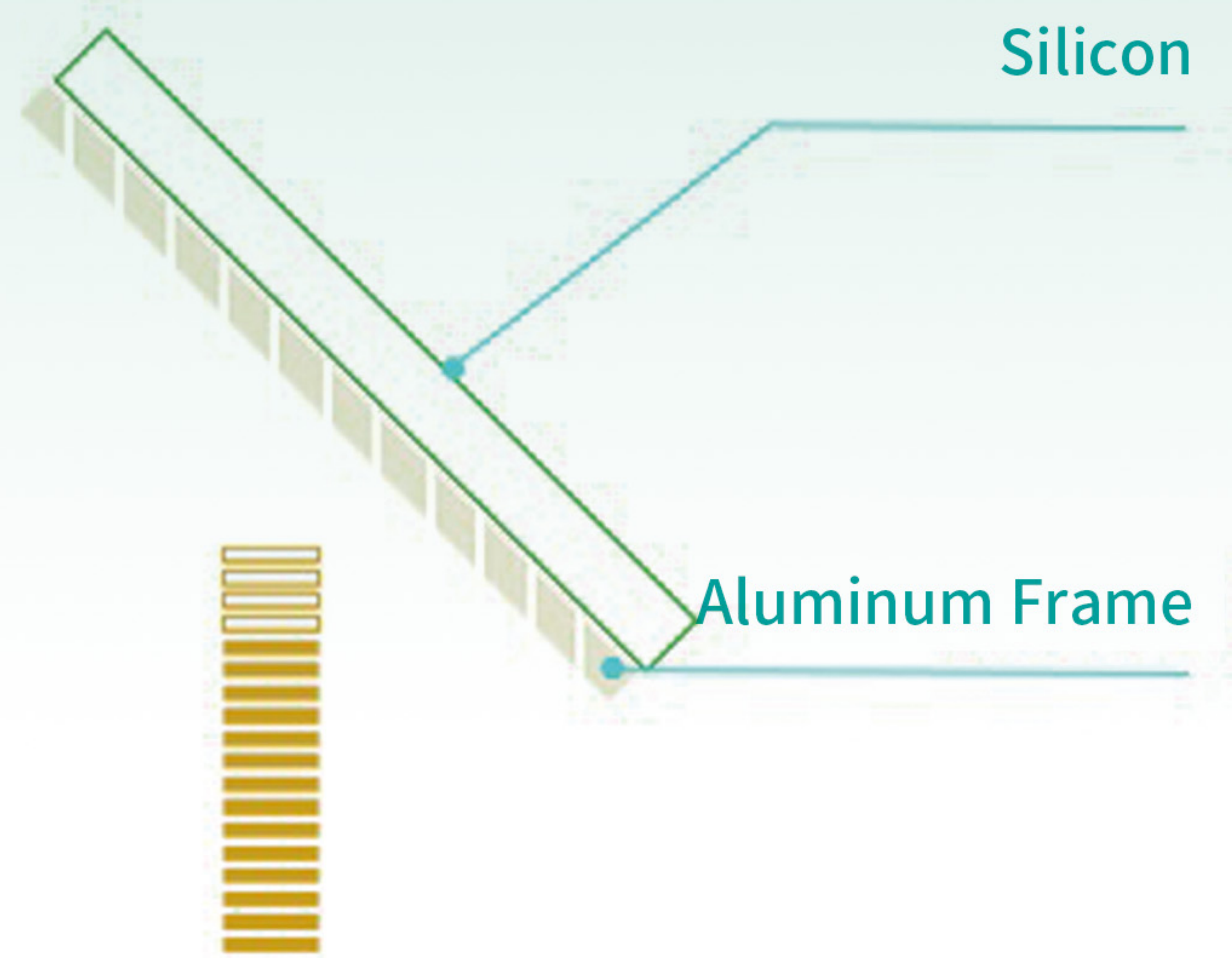


Lower sealing loss  
More suitable for  
high-efficiency  
modules

#### Kylin Series Cell

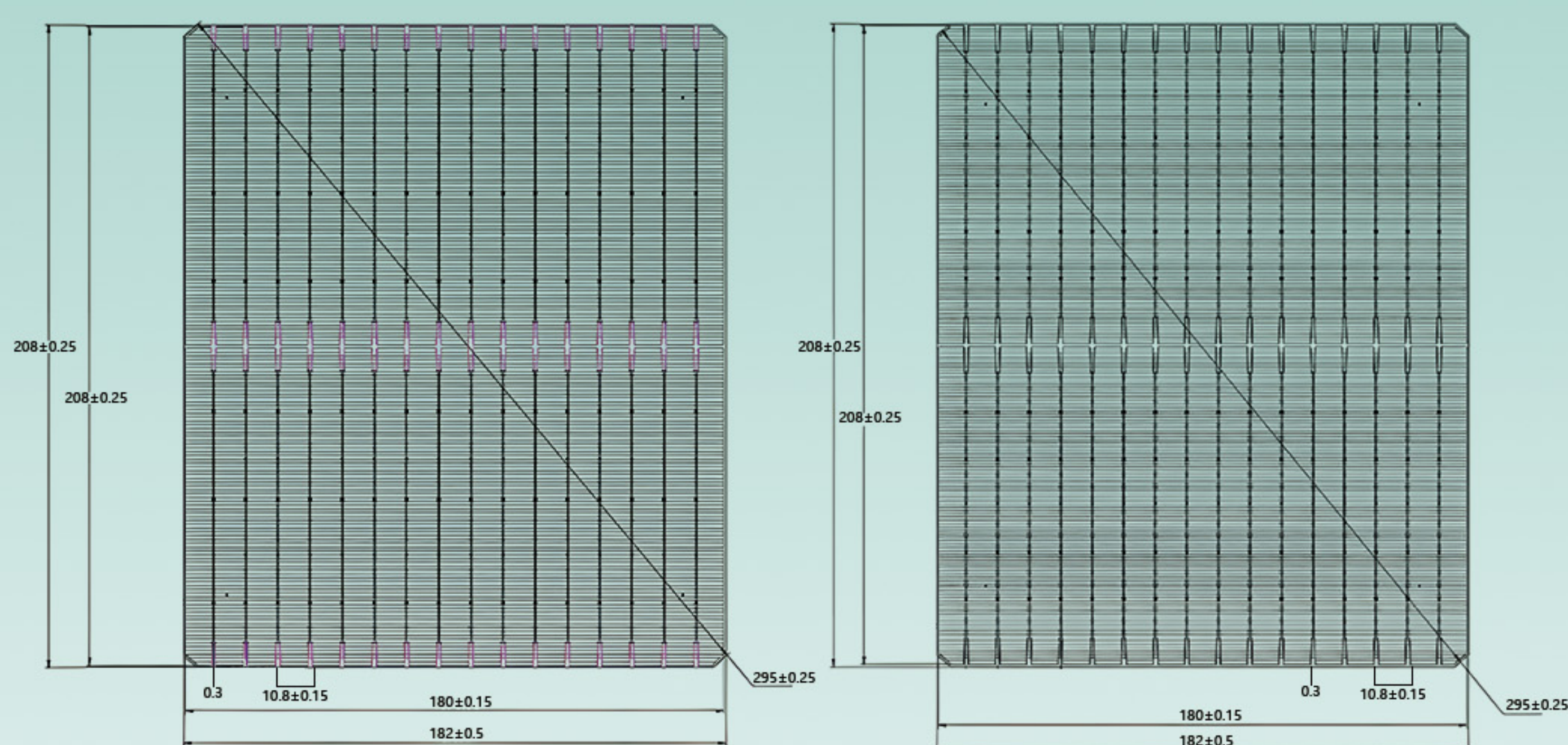


#### Conventional Photovoltaic Cell





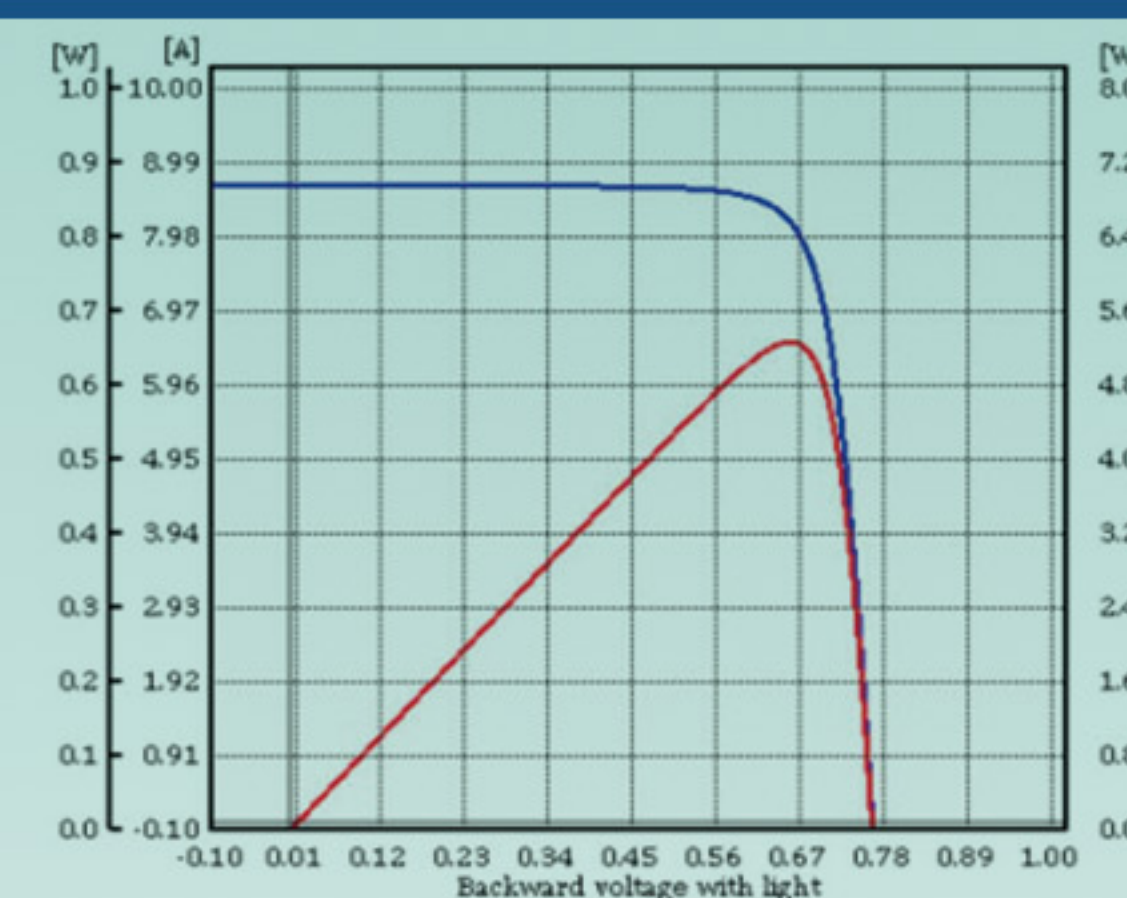
## Cell Dimensions



Cell Front Side

Cell Rear Side

## IV Dimensions



## Spectral Response

| Intensity(W/ m 2 ) | Uoc   | Isc   |
|--------------------|-------|-------|
| 1000               | 1.000 | 1.000 |
| 800                | 0.991 | 0.801 |
| 600                | 0.989 | 0.601 |
| 400                | 0.962 | 0.402 |

## Product Features

|                    |   |
|--------------------|---|
| Size Specification | 210mmx182mm±0.25mm, φ247±0.25mm   |
| Cell Thickness     | 130um±15pm  |
| Front Side         | Employs a 12-busbar, two-piece structure. Pad point brightness ranges from 0.8 mm to 1.3 mm. Fine electrodes: 152 ± 10. Coated with silicon oxynitride. |
| Rear Side          | Back electrode width: 165 ± 0.2 mm. 180 conductive wires. Coated with silicon nitride   |

## Temperature Coefficient

|                                 |           |
|---------------------------------|-----------|
| Current Temperature Coefficient | +0.048%/K |
| Voltage Temperature Coefficient | -0.28%/K  |
| Power Temperature Coefficient   | -0.3496/K |

## Electrical Performance Characteristics

| Efficiency (%) | Range Efficiency | Power Pmpp(W) | Maximum Power Current Impp(A) | Maximum Power Voltage Umpp(V) | Short Circuit Current Isc(A) | Open Circuit Voltage Uoc(V) |
|----------------|------------------|---------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 26.1           | Above 26.1       | 9.97          | 15.976                        | 0.6238                        | 16.204                       | 0.726                       |
| 26.0           | 26.0-26.1        | 9.93          | 15.940                        | 0.6229                        | 16.168                       | 0.725                       |
| 25.9           | 25.9-26.0        | 9.89          | 15.903                        | 0.6219                        | 16.133                       | 0.724                       |
| 25.8           | 25.8-25.9        | 9.85          | 15.867                        | 0.6209                        | 16.097                       | 0.723                       |
| 25.7           | 25.7-25.8        | 9.81          | 15.831                        | 0.6199                        | 16.062                       | 0.722                       |
| 25.6           | 25.6-25.7        | 9.78          | 15.795                        | 0.6189                        | 16.026                       | 0.721                       |
| 25.5           | 25.5-25.6        | 9.74          | 15.758                        | 0.6179                        | 15.990                       | 0.720                       |
| 25.4           | 25.4-25.5        | 9.70          | 15.765                        | 0.6152                        | 15.999                       | 0.717                       |
| 25.3           | 25.3-25.4        | 9.66          | 15.750                        | 0.6134                        | 15.985                       | 0.715                       |
| 25.2           | 25.2-25.3        | 9.62          | 15.691                        | 0.6133                        | 15.926                       | 0.715                       |
| 25.1           | 25.1-25.2        | 9.58          | 15.653                        | 0.6123                        | 15.890                       | 0.714                       |
| 25.0           | 25.0-25.1        | 9.55          | 15.637                        | 0.6105                        | 15.875                       | 0.712                       |
| 24.9           | 24.9-25.0        | 9.51          | 15.622                        | 0.6086                        | 15.861                       | 0.710                       |
| 24.8           | 24.8-24.9        | 9.47          | 15.627                        | 0.6060                        | 15.869                       | 0.707                       |
| 24.7           | 24.7-24.8        | 9.43          | 15.588                        | 0.6051                        | 15.832                       | 0.706                       |
| 24.6           | 24.6-24.7        | 9.39          | 15.552                        | 0.6040                        | 15.794                       | 0.705                       |

Under standard test conditions (STC): 1000W/m<sup>2</sup>, AM1.5G, 25°C. Cell efficiency positive tolerances, specifications, and data are provided for reference only.

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