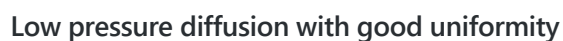
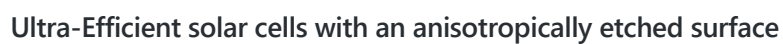




182 Monocrystalline Bifacial P-Type Solar Cell



Technical drawing of a rectangular plate. The overall dimensions are 182.2 (width) and 183.75 (height). The plate is divided into a grid of 10 columns and 10 rows by vertical and horizontal lines. The vertical lines are spaced at 18.225 intervals. The horizontal lines are spaced at 18.375 intervals. A diagonal line runs from the bottom-left corner to the top-right corner. The plate has a thickness of 1.001. The material is labeled as 6061-T6. The drawing includes dimensions for the plate's width (182.2), height (183.75), and the spacing between the grid lines (18.225 and 18.375). The plate is shown with a diagonal line and a small square at the bottom-left corner.

Technical drawing of a rectangular mesh structure, likely a filter or screen, showing dimensions in millimeters (mm). The overall dimensions are 162.2 mm in width and 163.75 mm in height. The mesh consists of vertical and horizontal lines forming a grid. Key dimensions include:

- Overall width: 162.2 mm
- Overall height: 163.75 mm
- Width of the mesh opening: 132 mm
- Width of the mesh frame: 180.6 mm
- Height of the mesh opening: 146.243 mm
- Height of the mesh frame: 148.243 mm
- Thickness of the mesh frame: 0.8 mm
- Distance between vertical mesh lines: 10.6 mm
- Distance between horizontal mesh lines: 9.1 mm
- Angle of the mesh: 45°
- Angle of the mesh: 135°
- Angle of the mesh: 225°
- Angle of the mesh: 315°

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ELECTRICAL PERFORMANCE

Grade(Unit)	Isc(A)	Voc(V)	Impp(A)	Vmpp(V)	Pmpp(W)	FF(%)
23.60%	13.827	0.697	13.55	0.577	7.82	81.28
23.50%	13.815	0.695	13.508	0.577	7.79	81.23
23.40%	13.809	0.693	13.485	0.575	7.76	81.16
23.30%	13.805	0.691	13.47	0.573	7.72	81.07
23.20%	13.785	0.69	13.44	0.572	7.69	80.95
23.10%	13.761	0.689	13.417	0.571	7.66	80.86
23.00%	13.735	0.688	13.394	0.569	7.62	80.78
22.90%	13.725	0.685	13.351	0.569	7.59	80.84
22.80%	13.696	0.684	13.324	0.567	7.56	80.78

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

APPEARANCE AND STRUCTURE

Substrate material	P-type mono-crystalline silicon wafer
Cell thickness	150μm±15μm
Dimension	182.2mm*183.75mm±0.5mm
Diagonal	256mm±0.5mm
Front(-)	16 Busbars, interval: 10.8mm±0.15mm; Busbars width 1.2/0.8mm±0.15mm
Back (+)	16 Busbars, interval: 10.8mm±0.15mm; Busbars width 2mm±0.15mm

TEMPERATURE COEFFICIENT

TkPower	-(0.39±0.02)%/k
TkVoltage	-(0.30±0.03)%/k
TkCurrent	+(0.06±0.015)%/k

LIGHT INDUCED DEGRADATION

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

CTM

Lower cell to module (CTM) power loss:≤3%

ANTI-PID

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

PACKAGING AND STORAGE INSTRUCTIONS

For transportation, the solar cells are securely packed with soft sponge cushioning, and the box units are wrapped with heat-shrink film. The outer packaging boxes are equipped with shock-absorbing protection to ensure the cells are adequately protected during long-distance transportation. After unpacking, the solar cells should be stored indoors in a dry, well-ventilated environment with a relative humidity below 60% and a temperature of ≤40°C. If the solar cells remain in storage for more than 45 days after unpacking, they should undergo a sampling inspection before further use.