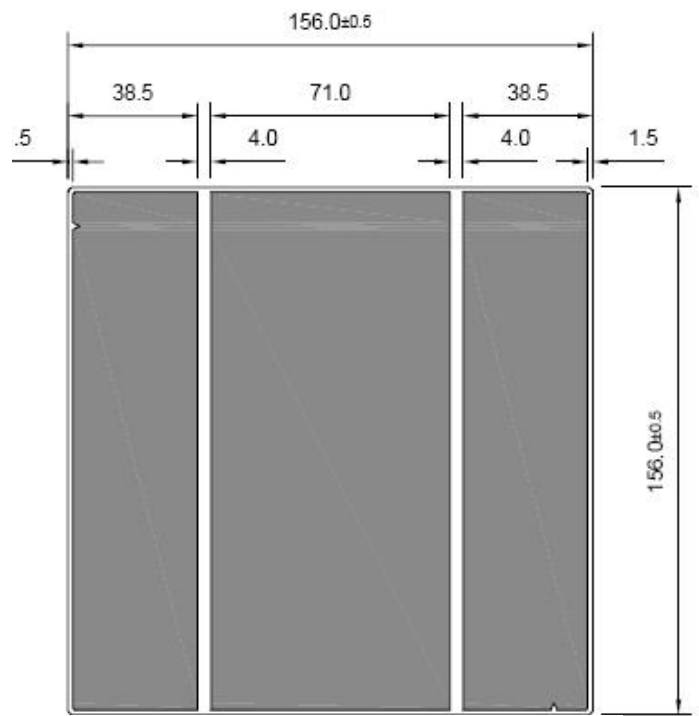
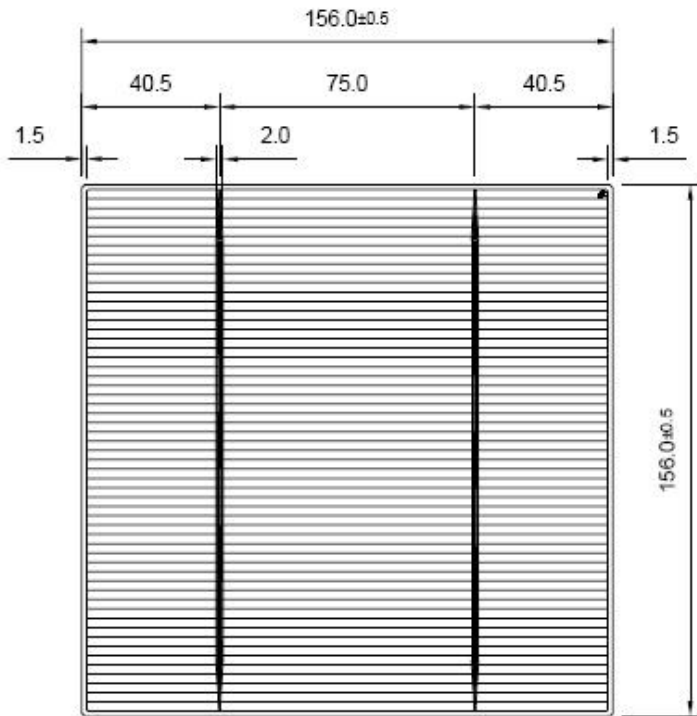




# SOLAR CELLS 156mm X 156mm

## High Performance Solar Cell

Our highly automated manufacturing plant is designed for 5" and 6" cell sizes. In-line production processes optimize the material flow and minimize wafer handling, thereby enhancing the mechanical stability of our products. State-of-the-art manufacturing and handling systems are used. The latest technology features are incorporated in our production process to guarantee high cell efficiencies. This includes surface texturisation that provides a dark homogeneous appearance to our cells.



### Mechanical Data and Design

- Each solar cell is individually tested and grouped in grades
- Multi crystalline silicon material
- 156 mm x 156 mm ± 0.5 mm
- Fine line screen printed metallization
- Blue anti-reflecting coating
- 2 mm wide bus bars (Ag) on front
- 4 mm soldering pads on back (Ag)
- Average wafer thickness 200μ ± 40μ
- All parameters are typical and for reference only

### Measurements and Calibration

The electrical performance of every manufactured solar cell is individually tested and sorted according to very narrow current classes. This means that you get a high performance solar cell with precisely defined characteristics. The performance of the solar cell is measured at Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, AM 1.5, 25 °C

### Electrical Characteristics

Typical data at STC (non encapsulated cells)

Cell class	Voc (mV)	Isc (A)	Vmpp (mV)	Impp (A)	Pmpp (W)	Efficiency (%)
156P326	593	7.43	478	6.83	3.26	13.45
156P334	595	7.54	481	6.96	3.34	13.80
156P340	598	7.62	484	7.04	3.40	14.02
156P344	600	7.67	486	7.10	3.44	14.18
156P348	602	7.72	488	7.15	3.48	14.35
156P353	604	7.77	491	7.21	3.53	14.52
156P357	607	7.82	494	7.26	3.57	14.70
156P363	609	7.88	496	7.32	3.63	14.89
156P367	612	7.94	498	7.39	3.67	15.09
156P373	614	7.99	500	7.46	3.73	15.29
156P378	616	8.03	502	7.52	3.78	15.50