

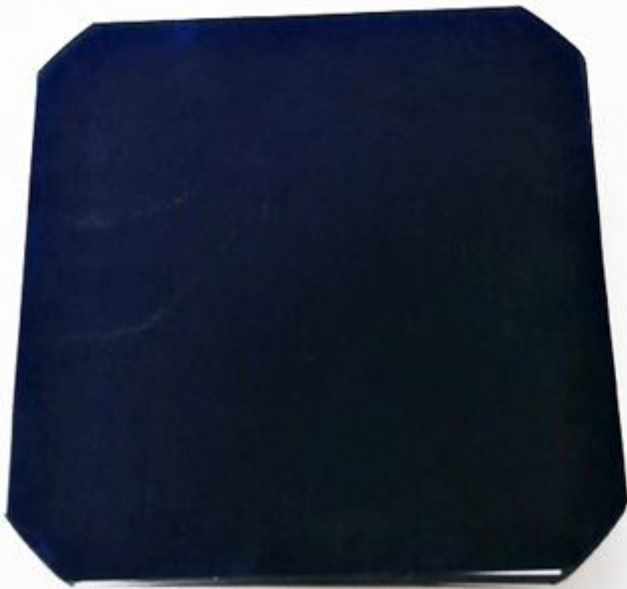
TONGWEI SOLAR CELL DATASHEET Topsky 125-IBC

Back Contact Sunpower IBC Mono solar Cell

www.atakale.com atakale@atakale.com +90 312 425 2200 Ankara/Turkey *Cell Importer*

Shenzhen Topsky Energy Co.,Ltd was established in 1998 and has been engaged in the photovoltaic industry for more than ten years. Mainly committed to the production, development and

sales of solar cells, solar module, lightweight solar panel, customized small and mini solar panels and other application products. Our products have passed TUV Rhineland testing and obtained CE and other international certifications. Products are exported to global markets, including North America, South America, Europe, Southeast Asia, Middle East, Africa, and obtain highly appreciated by customers. Our customer base includes overseas solar module manufacturers, traders, overseas photovoltaic project contractors, installers, and other crossover partners.



125*125mm N type back-contact

Sunpower Mono solar cells

Features of Sunpower Solar Cell:

Sunpower Maxeon solar cell is the most efficient monocrystalline cells currently in the world.

●Highest Efficiency and Reliable: Unique back contacts producing technology —The positive and negative are designed on the back side of solar cell, providing high efficiency, even if the fragment, the rest part can still output power.

●Best Choice for Your High Requirement: Suitable for some high-tech products which need high efficiency solar cell in limited space.

Physical characteristic of Sunpower solar cell:

Material : Mono crystalline Silicon

Construction : All-back contact

Dimensions : 125 mm x 125 mm (nominal)

Thickness : 150 μm \pm 30 μm

Diameter : 160 mm (Nominal)

Stress/cracking: Resistance to stress / cracking and should work even after damage. Cells should be able to mount on a curved surface.

| | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|-------|
| Efficiency code | 2230 | 2240 | 2270 | 2310 | 2370 | 2400 | 2440 |
| Bin Code | Hp | Jp | Kp | Ke1 | Le1 | Me3 | Me3 |
| Efficiency(%) | 22.3 | 22.4 | 22.7 | 23.1 | 23.7 | 24.0 | 24.4 |
| Pmax(W) | 3.43 | 3.46 | 3.48 | 3.54 | 3.63 | 3.72 | 3.78 |
| Voc (V) | 0.68 | 0.68 | 0.68 | 0.713 | 0.721 | 0.724 | 0.734 |
| Isc (A) | 6.29 | 6.32 | 6.34 | 6.11 | 6.15 | 6.37 | 6.42 |
| Vmp(V) | 0.58 | 0.58 | 0.58 | 0.612 | 0.621 | 0.616 | 0.626 |
| Imp(A) | 5.92 | 5.97 | 6.00 | 5.79 | 5.84 | 6.01 | 6.09 |

*Data under standard testing conditional (STC):1,000w/m2,AM1.5, 25°C

Temperature Coefficients:

Current Temperature Coefficients: 0.04%/°C;

Voltage Temperature Coefficients:-0.29%/°C;

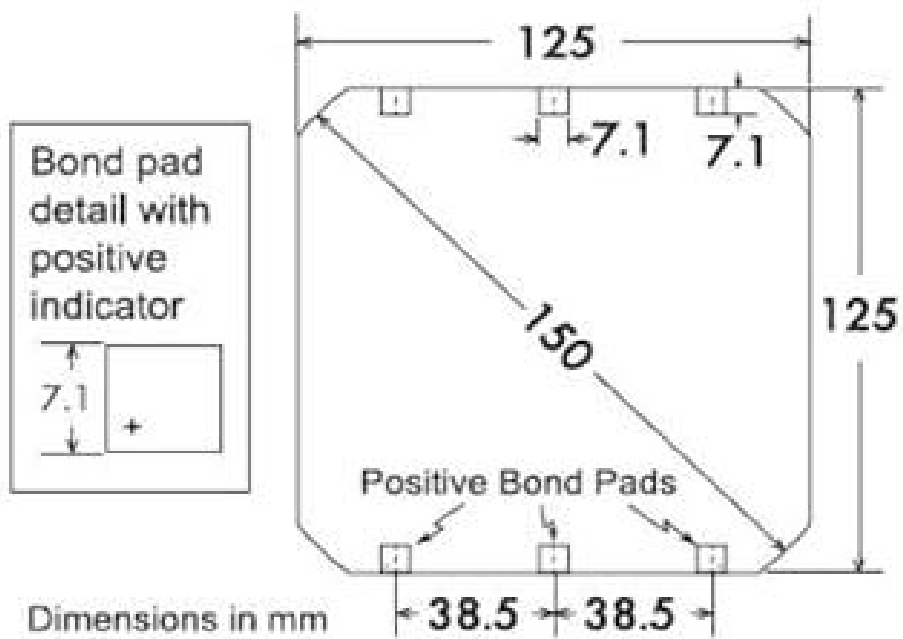
Power Temperature Coefficients:-0.38%/°C;

TP Energy, with 3 subsidiaries, is currently headquartered located in Shenzhen, Guangdong, China. It has an experienced sales and after-sales team, provides the most competitive products in the market, and resolves all customer questions about photovoltaic products and markets. Our goal is to produce and provide high-quality solar products with the most competitive advantages in the market, to bring every customer engaged in green energy in the world, and make green energy closer to every user. At present, our production base is located in China's photovoltaic capital Jiangsu Province, with a production & management team of more than 200 people, and advanced fully automatic production line to achieve an annual production capacity of more than 500MW, which can meet various types of solar panel production and various project needs, and accept customization solar panel production.

Topsky Energy endeavors to provide efficient green clean energy, and constanly improving our living environment. We're united community, so protecting our earth is protecting our human beings.! We 're devoted to promoting the application of efficient clean energy from every tiny aspect. We are the loyal partner of the photovoltaic industry, creating greater value for our customers'investment, making green power exist in everywhere.



Cell and Bond Pad Dimensions



Bond pad area dimensions are 7.1 mm x 7.1 mm
 Positive pole bond pad side has "+" indicator on leftmost and rightmost bond pads.