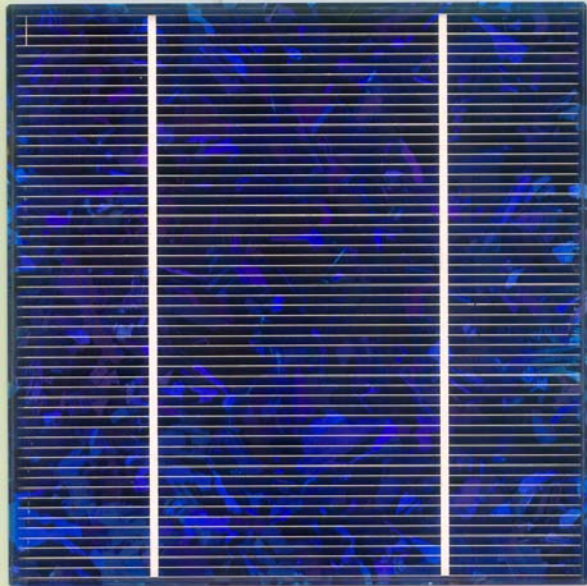




# PHOTOVOLTAIC CELLS – 6” 150 mm x 150 mm SiN, BSF



High Efficiency Solar Cell Specifications	
Product	Multi-crystalline silicon solar cell
Size	150 mm X 150 mm
Thickness	260 $\mu\text{m}$ +/- 40 $\mu\text{m}$
Front Face (-) Polarity minus.	Parallel straight lines grid pattern with 2 X 2 mm bus bars
Back Face (+) Polarity plus.	Back surface field (Aluminium) with 2 X 4 mm bus bars

Class	Voc	Isc	Voltage Vm @ Pmpp (V)	Current Im @ Pmpp (A)	Pmpp	Efficiency
A1	0.599	7.04	0.475	6.42	3.05	13.6

Typical datas after encapsulation according to standard Photowatt process (highly transparent glass / EVA / white Tedlar rear face)

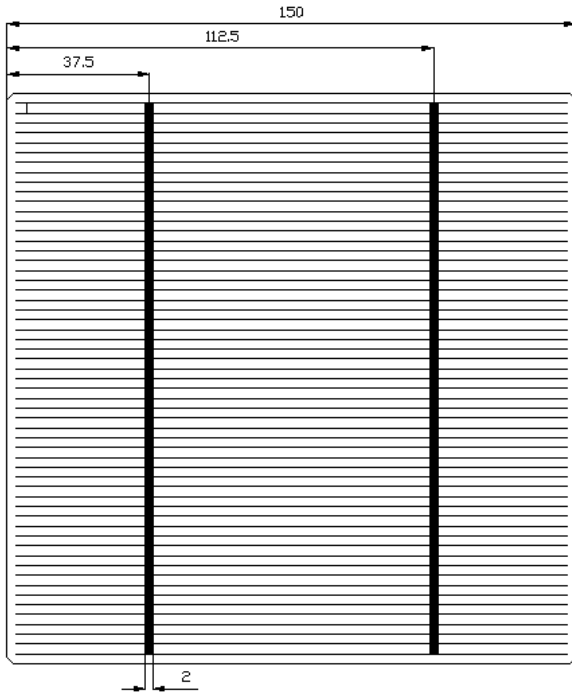
Standard Test Conditions : 1000W/m<sup>2</sup>, AM 1,5 @ 25°C)

Power Temperature Coefficient	$\text{Gamma} = (dP/P)/dT \# - 0,43 \% / ^\circ\text{C}$
Current Temperature Coefficient	$\text{Alpha} = (dI/I)/dT \# + 0,034 \% / ^\circ\text{C}$
Voltage Temperature Coefficient	$\text{Beta} = dV / dT \# - 2,17 \text{ mV} / ^\circ\text{C}$

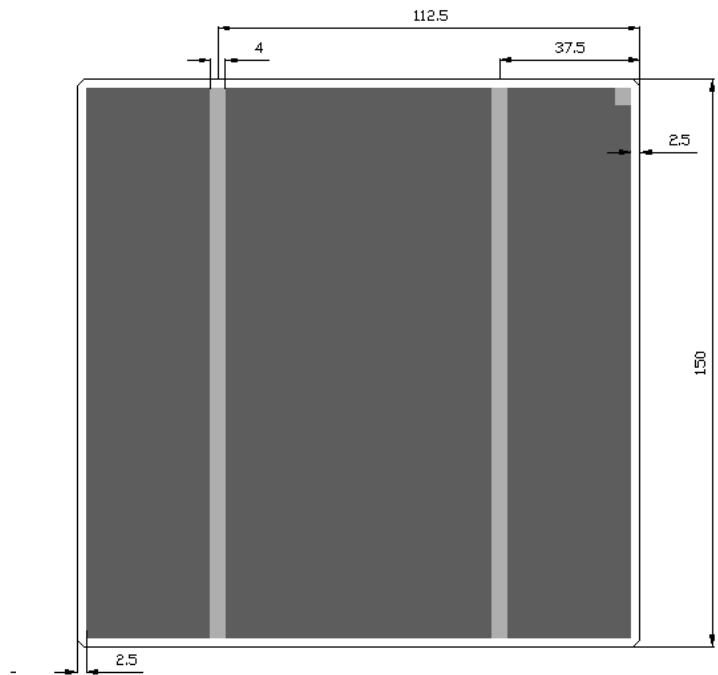
Specifications subject to changes – Lat update : July 2005



## PHOTOVOLTAIC CELLS – 6” 150 mm x 150 mm SiN, BSF

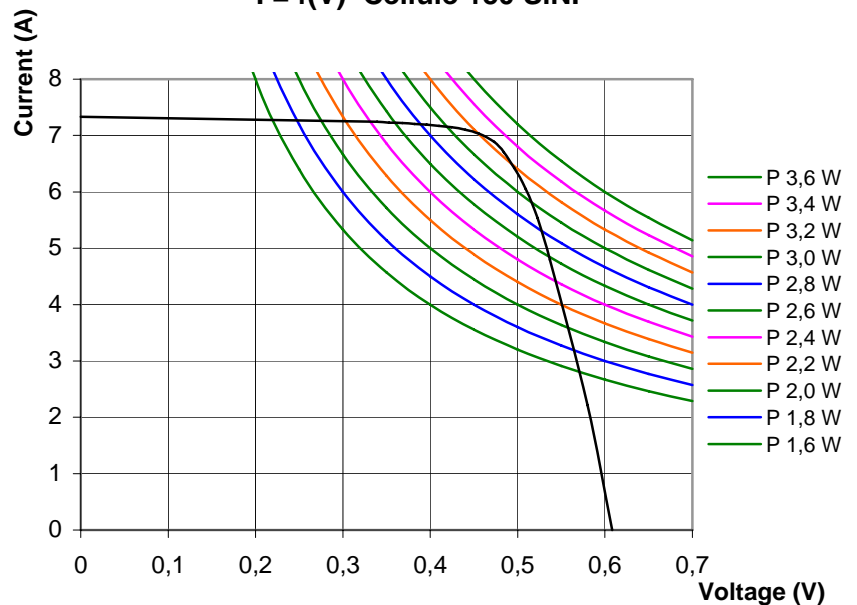


Cell's Front Side Dimensions



Cell's Back Side Dimensions

$I = f(V)$  Cellule 150 SiN.



- High efficiency cells
- Silicon nitride anti-reflective coating
- Manufactured on the best advanced automated machines & Clean rooms
- Total Quality control for each cell
- Strong Packaging
- Also available :
  - 101.25 X 101.25 mm (4")
  - 125.50 X 125.50 mm (5")