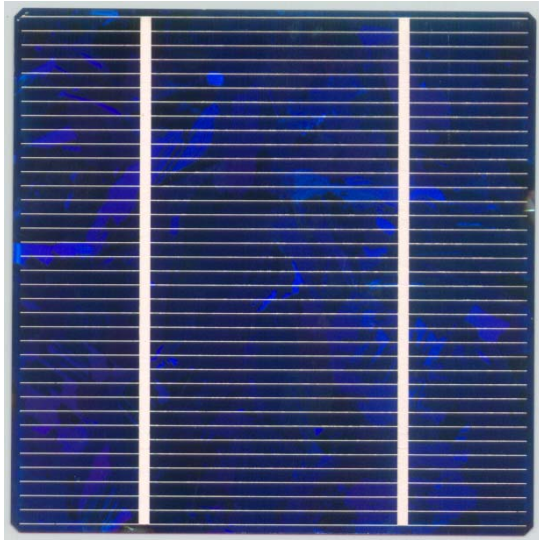




PHOTOVOLTAIC CELLS – 4”
101.25 mm x 101.25 mm
SiN, BSF



High Efficiency Solar Cell Specifications	
Product	Multi-crystalline silicon solar cell
Size	101.25 mm x 101.25 mm
Thickness	260 μm \pm 40 μm
Front size (-) 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	Volatge Vm @ Pmpp (V)	Current Im Pmpp (A)	Pmpp	Efficiency
B-E	0.595	2.97	0.469	2.70	1.27	12.4

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

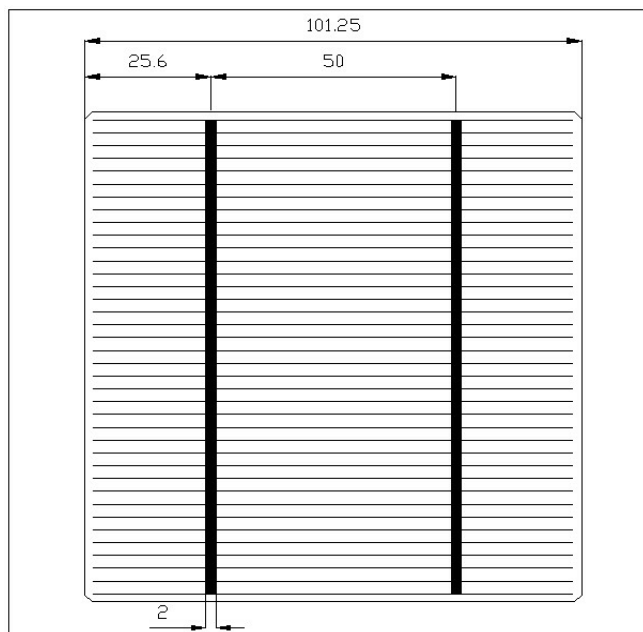
Standard Test Conditions : 1000W/m², AM 1,5 @ 25°C)

Power Temperature Coefficient	Gamma = (dP/P)/dT # - 0,43 % / °C
Current Temperature Coefficient	Alpha = (dI/I)/dT # + 0,034 % / °C
Voltage Temperature Coefficient	Beta = dV / dT # - 2,17 mV / °C

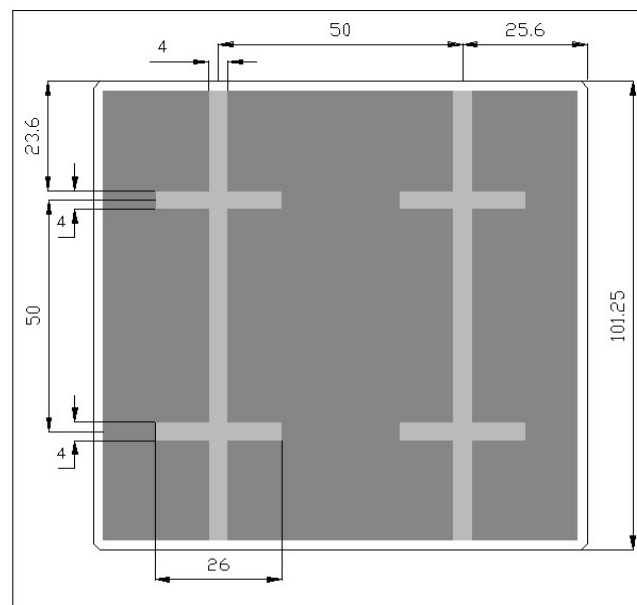
Spécifications sujettes à modifications – Document non contractuel
Dernière mise à jour : Juillet 2005



PHOTOVOLTAIC CELLS – 4” 101.25 mm x 101.25 mm SiN, BSF

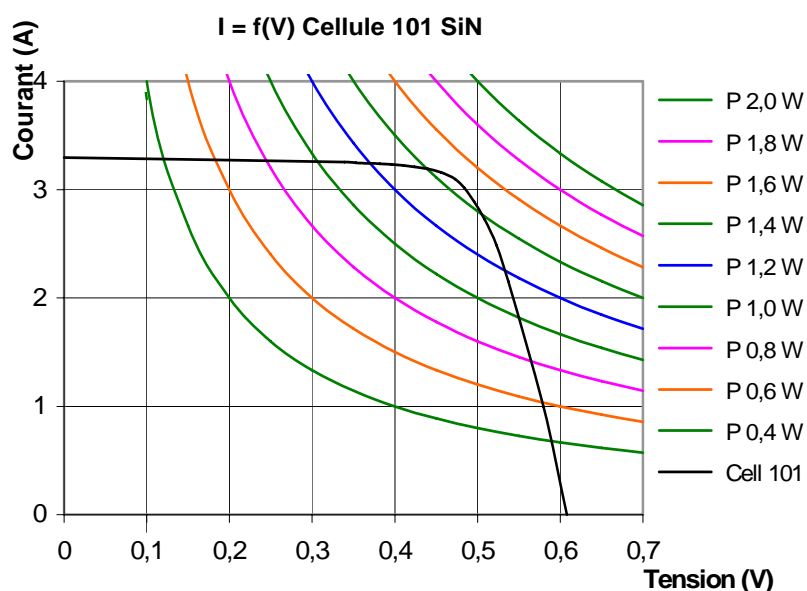


Front side



Back side

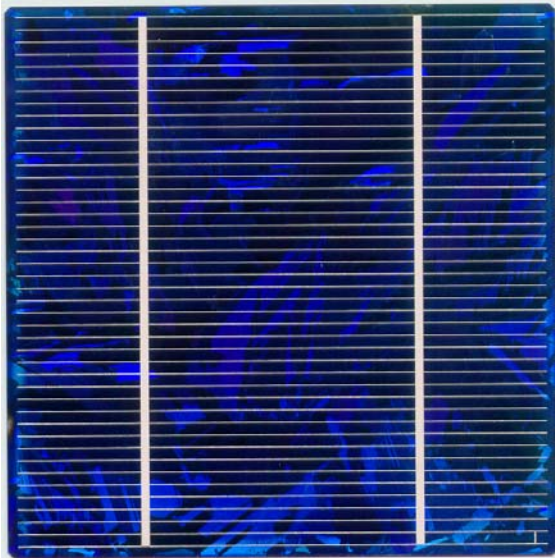
- High efficiency cells
- Silicon nitride anti-reflective coating
- Manufactured on the best advanced automated machines & Clean rooms
- Total Quality control for each cell
- Strong Packaging
- Also available :
 - 125 X 125 mm (5")
 - 150 X 150 mm (6")



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PHOTOVOLTAIC CELLS – 5” 125.5 mm x 125.5 mm SiN, BSF



High Efficiency Solar Cell Specifications	
Product	Multi-crystalline silicon solar cell
Size	125.5 mm X 125.5mm
Thickness	220 μm +/- 40μm
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	4.93	0.475	4.49	2.14	13.6

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

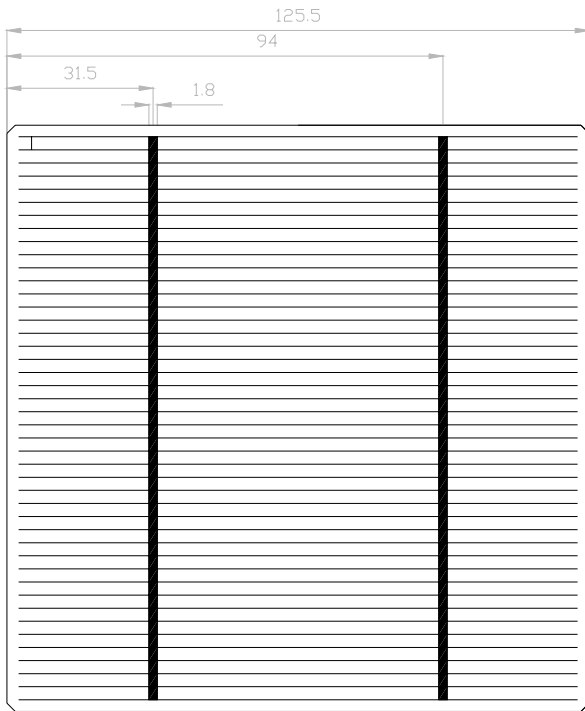
Standard Test Conditions : 1000W/m², AM 1,5 @ 25°C)

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

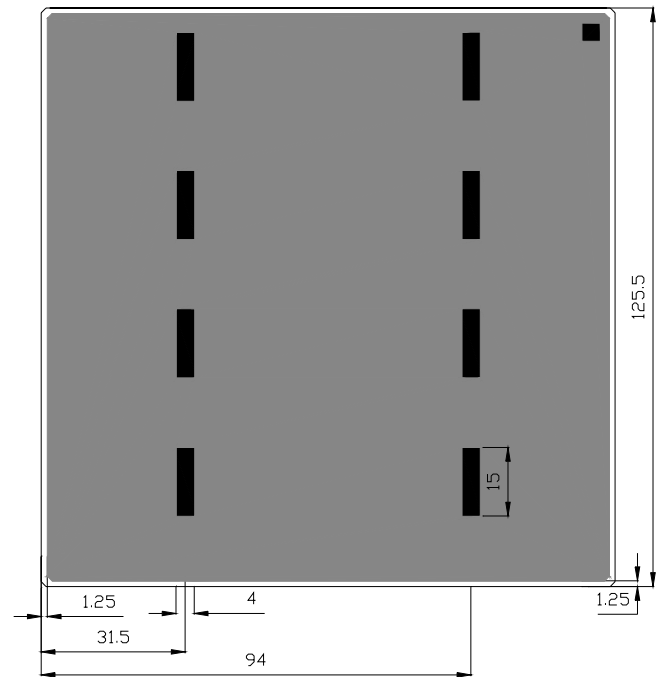
Specifications subject to changes – Lat update : October 2006



PHOTOVOLTAIC CELLS – 5” 125.5 mm x 125.5 mm SiN, BSF

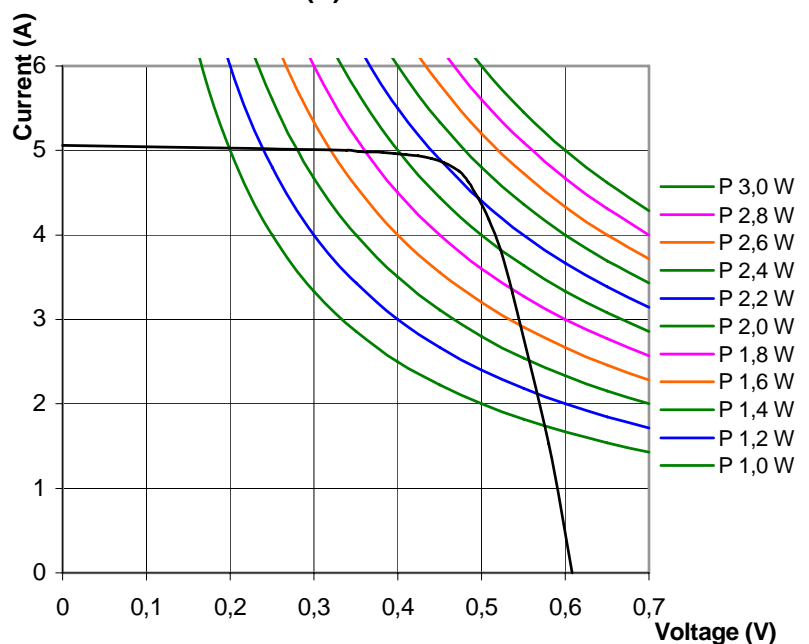


Cell's Front Side Dimensions



Cell's Back Side Dimensions

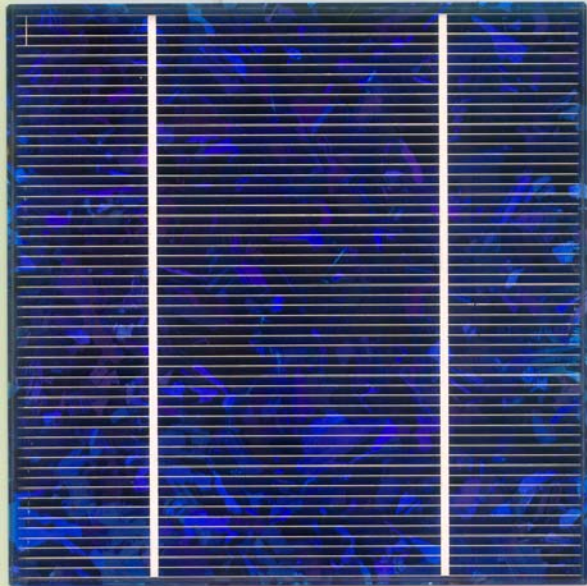
$I = f(V)$ 125 SiN Cell



- 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")
150 X 150 mm (6")



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 μm +/- 40μm
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)

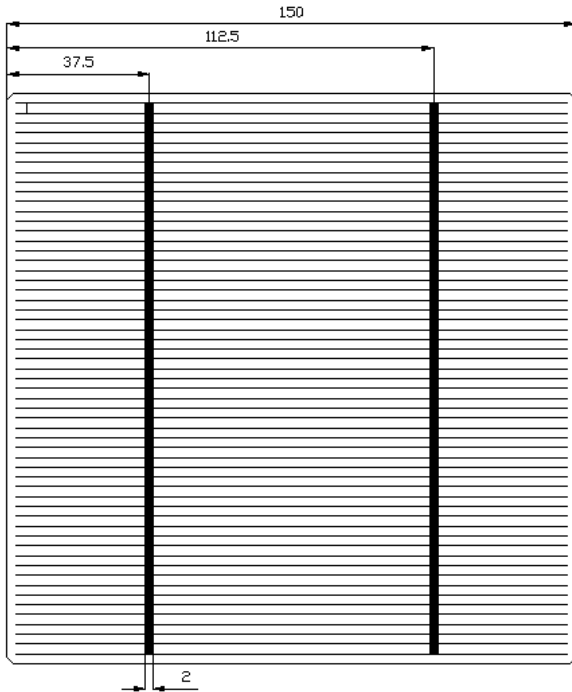
Standard Test Conditions : 1000W/m², AM 1,5 @ 25°C)

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

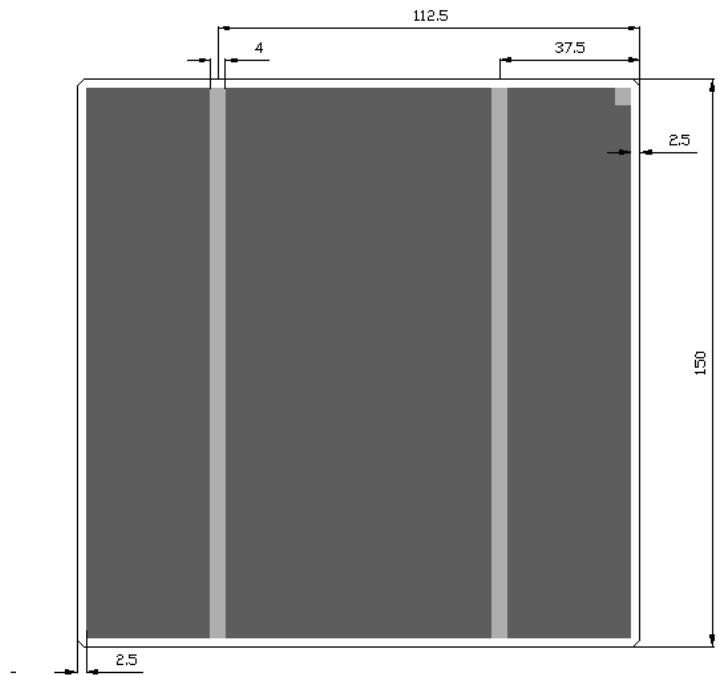
Specifications subject to changes – Lat update : July 2005



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

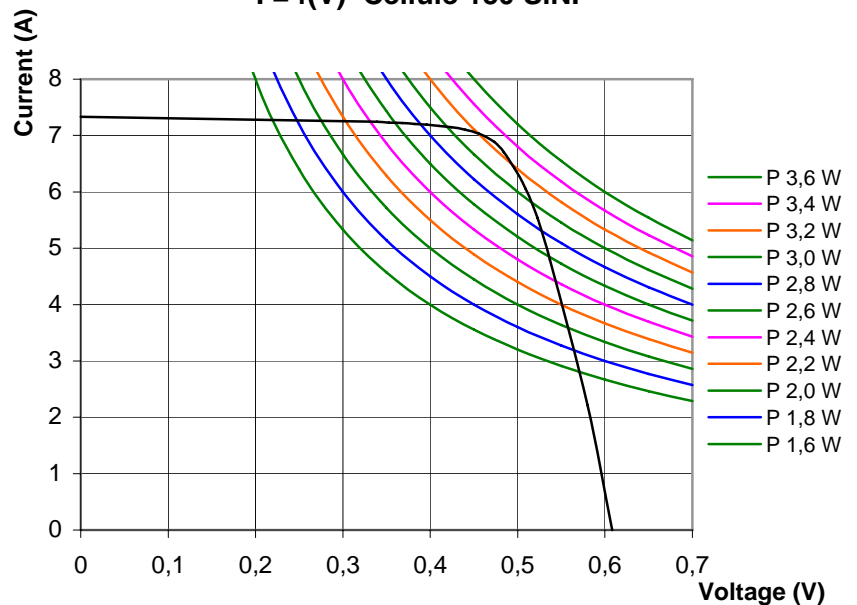


Cell's Front Side Dimensions



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")