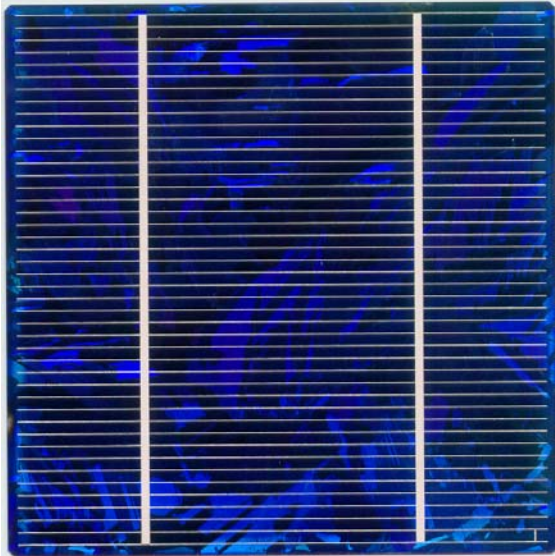




PHOTOVOLTAIC CELLS – 5” 125.5 mm x 125.5 mm SiN, BSF



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)

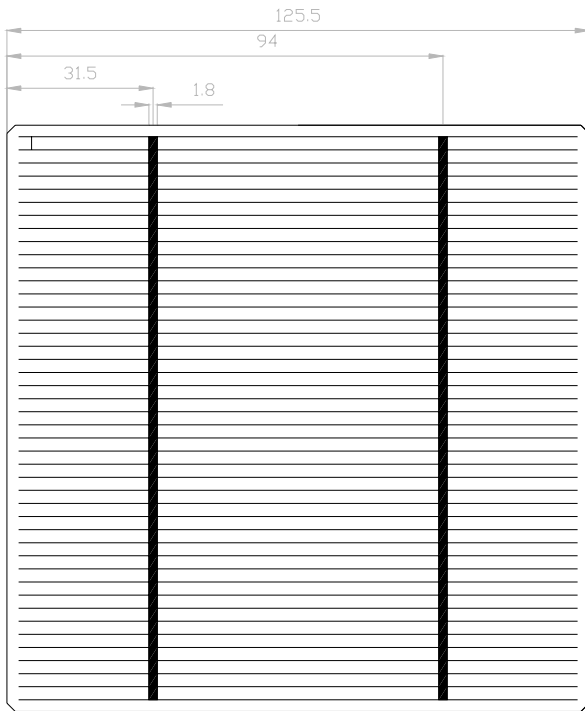
Standard Test Conditions : 1000W/m², AM 1,5 @ 25°C)

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	$\beta = dV / dT \# - 2,17 mV / ^\circ C$

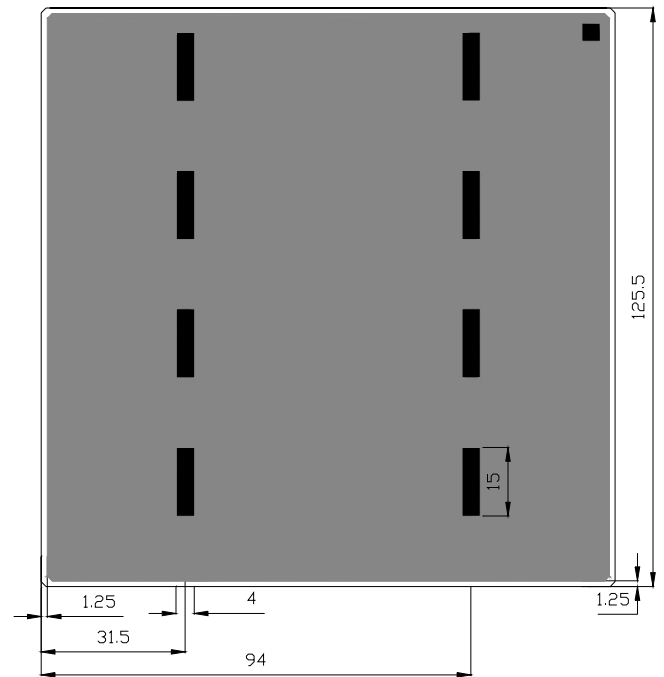
Specifications subject to changes – Lat update : October 2006



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

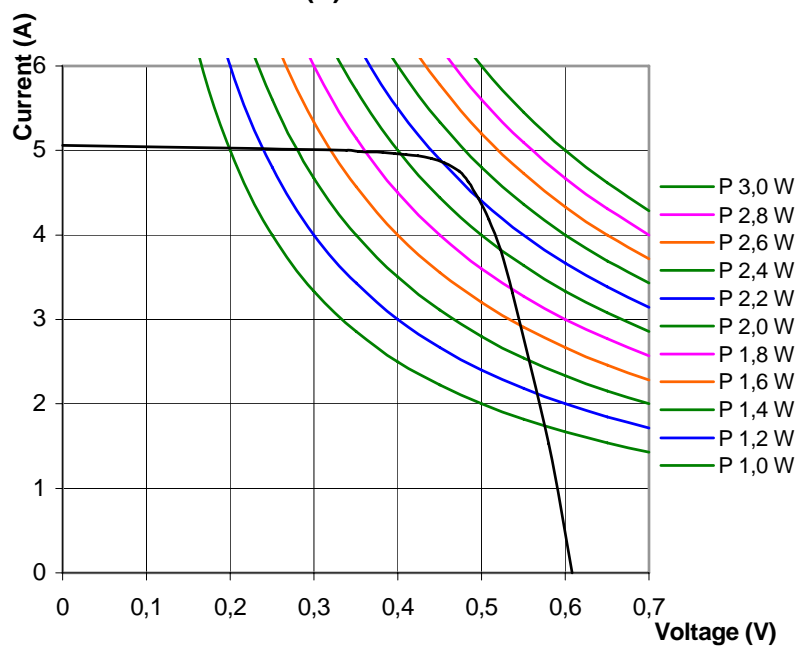


Cell's Front Side Dimensions



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")