



三福化工股份有限公司

San Fu Chemical Company

7F, 21, Chung Shan N. Rd., Sec. 2, Taipei, Taiwan

Tel.: 886-2-2542-6789 Fax.: 886-2-2581-3215

125x125 mono-crystalline solar cell

Product	5 Inch Mono-crystalline solar cell
Dimension	125mm X 125mm +/- 1mm (pseudo square)
Diagonal	ϕ 150mm +/- 1 mm (round chamfers)
Thickness	240 μ m +/- 40 μ m
Front	1.5 mm silver bus bars, Blue/others silicon nitride anti-reflection coating.
Back	3 mm Silver/aluminum bus bars; Full-surface aluminum BSF
Base material	P-type mono-crystalline silicon wafer doped with boron

Packing Classification

Efficiency	Pmax (W)	Average	Impp (A)	Vmpp (V)	Isc (A)	Voc (V)
17.70~17.90	>2.624	>2.609	4.855	0.528	5.223	0.630
17.50~17.70	2.594~2.624	2.609	4.874	0.527	5.205	0.629
17.30~17.50	2.565~2.594	2.580	4.836	0.526	5.188	0.628
17.10~17.30	2.535~2.565	2.550	4.824	0.525	5.163	0.628
16.90~17.10	2.505~2.535	2.520	4.810	0.524	5.134	0.627
16.70~16.90	2.475~2.505	2.490	4.755	0.523	5.115	0.627
16.50~16.70	2.446~2.475	2.461	4.726	0.520	5.094	0.626
16.30~16.50	2.416~2.446	2.431	4.683	0.515	5.075	0.625
16.10~16.30	2.486~2.416	2.401	4.655	0.508	5.034	0.624
15.90~16.10	2.357~2.386	2.372	4.620	0.503	5.005	0.624

* Note : Measurement under standard testing conditions (STC): 1,000W/m², AM1.5G, 25°C

* All figures bear \pm 3% of tolerance.

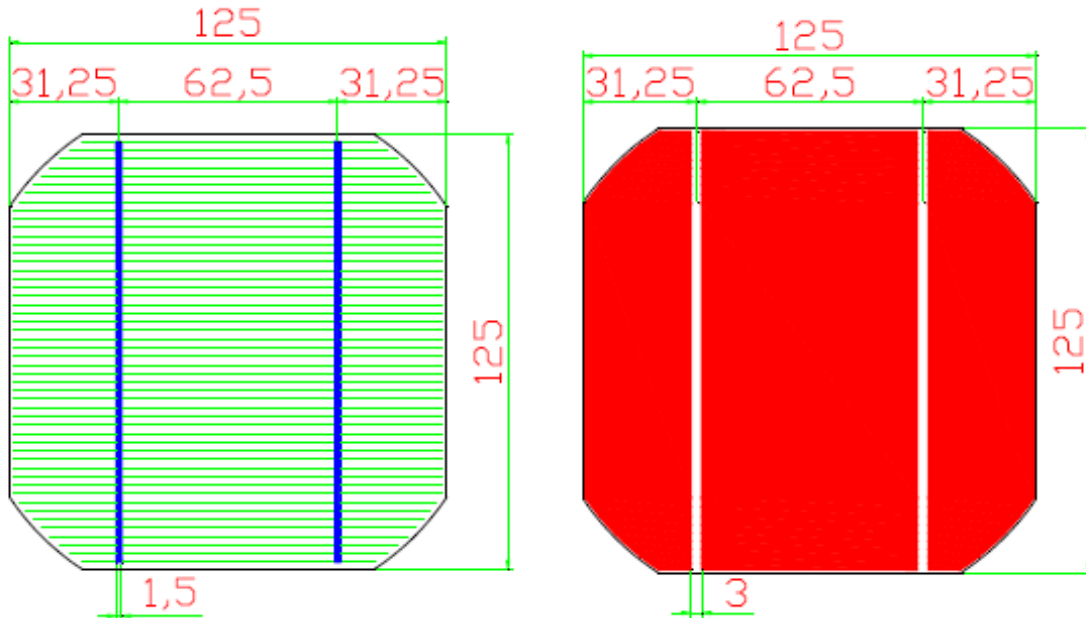
TYPICAL TEMPERATURE COEFFICIENTS

Voltage	-2.12mV/K
Current	+2.50mA/K
Power	-0.43%K

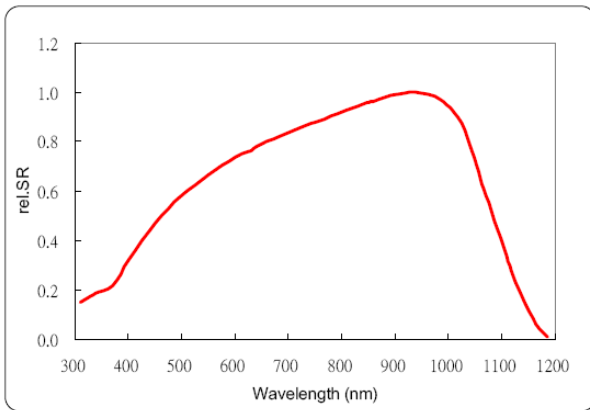


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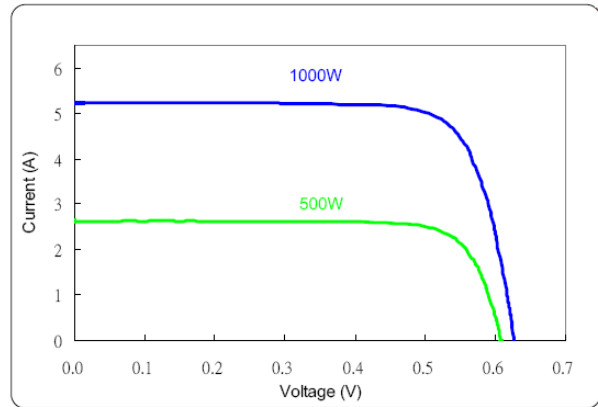
PATTERN



SPECTRAL RESPONSE :



IV-CURVE OF CELL (EFFICIENCY =17.2%) :



PACKAGE

Typical package for one box is 1,000 cells. These cells are sealed in paperboards every 100pcs. Gross weight per unit box be around 13kg.