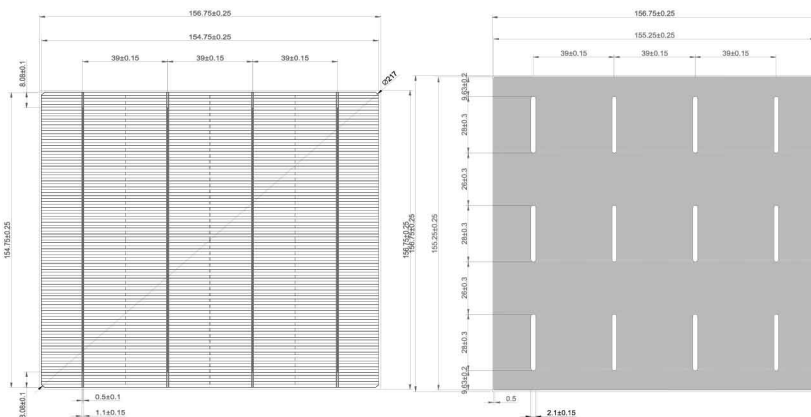
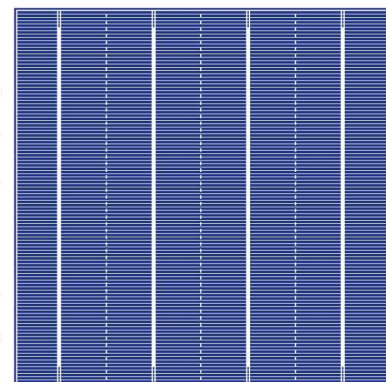


**- PERC -**  
**Model: TP6543P**

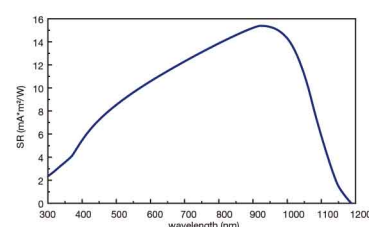
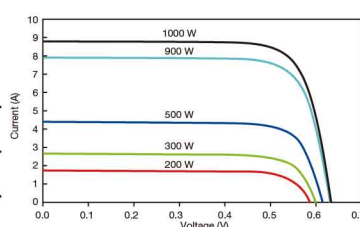


Dimension	156.75mm X 156.75mm $\pm$ 0.25mm
Thickness	180 $\mu$ m $\pm$ 30 $\mu$ m, 200 $\mu$ m $\pm$ 30 $\mu$ m
Front (-)	Acid texturized surface with Silicon nitride anti-reflecting coating
	Color: Dark Blue, Blue, Sky Blue & Light Blue
	4 X 1.1 mm $\pm$ 0.15 mm wide bus bars, Distance between bus bars : 39 mm
Back (+)	aluminum back surface field
	4 X 3 soldering pads, 2.1 mm $\pm$ 0.15 mm wide bus bars
	Distance between bus bars : 39 mm



Efficiency Code		196	194	192	190	188	186	184	182
Efficiency	Eff(%)	19.60	19.40	19.20	19.00	18.80	18.60	18.40	18.20
Power	Pmpp(W)	4.82	4.77	4.72	4.67	4.62	4.57	4.52	4.47
Max. Power Current	Impp(A)	8.655	8.627	8.599	8.563	8.530	8.475	8.470	8.446
Short Circuit Current	Isc(A)	9.189	9.153	9.117	9.079	9.040	9.001	8.970	8.969
Max Power Voltage	Vmpp(V)	0.556	0.553	0.549	0.545	0.542	0.539	0.527	0.526
Open Circuit Voltage	Voc(V)	0.664	0.659	0.655	0.650	0.646	0.643	0.629	0.628

Current Temperature Coefficient	$\alpha$ (ISC)	0.05%/K
Voltage Temperature Coefficient	$\beta$ (VOC)	-0.30%/K
Power Temperature Coefficient	$\gamma$ (Pmax)	-0.37%/K



7F-1, No.25, Sec. 4, Nanjing E. Rd., Songshan Dist., Taipei City 105, Taiwan