

Model: TP6543

Physical Characteristics

Dimension: 156.75 mm x 156.75 mm \pm 0.25 mm
 Thickness: 200 μ m \pm 30 μ m

Front (-): 4 x 1 mm wide bus bars (silver) with distance 39 mm, acid texturized surface with blue silicon nitride AR coating.

Back (+): 2.1 mm wide silver / aluminum soldering pads, aluminum back surface field.

Temperature Coefficients

Current Temperature Coefficient	α (ISC)	0.04 %/°c
Voltage Temperature Coefficient	β (VOC)	-0.31 %/°c
Power Temperature Coefficient	γ (Pmax)	-0.41 %/°c

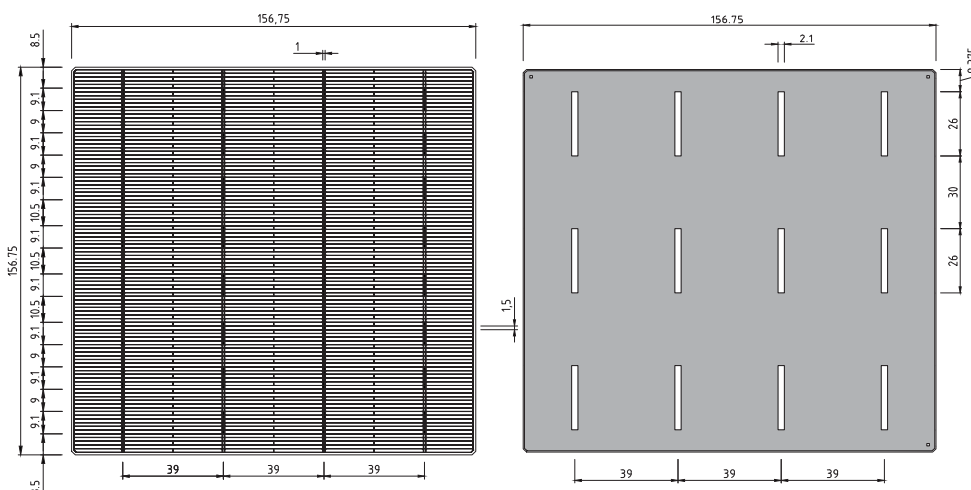
* Standard test condition: AM1.5, 1000W/m², 25°C

Electrical Characteristics

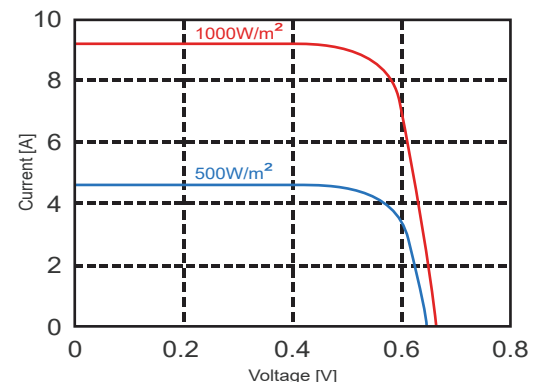
Efficiency Code		1880	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
Efficiency	Eff(%)	18.80	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	20.00
Power	Pmax (W)	4.619	4.668	4.693	4.718	4.742	4.767	4.791	4.816	4.840	4.865	4.890	4.914
Max. Power Current	Imp (A)	8.521	8.564	8.583	8.601	8.622	8.643	8.665	8.687	8.707	8.727	8.748	8.769
Short Circuit Current	Isc (A)	9.077	9.124	9.145	9.165	9.182	9.198	9.212	9.225	9.236	9.247	9.256	9.266
Max Power Voltage	Vmp (V)	0.542	0.545	0.547	0.548	0.550	0.552	0.553	0.554	0.556	0.557	0.559	0.560
Open Circuit Voltage	Voc (V)	0.650	0.654	0.656	0.658	0.659	0.661	0.662	0.663	0.664	0.665	0.666	0.666

*Data under standard testing conditions (STC): 1000w/m², AM1.5, 25°C, efficiency tolerance: average +0.3%/-0.1% absolute.

Conductor Patterns (unit: mm)



Typical IV Curve



Package: Typical package for one carton contains 1,200 cells. The cells are sealed in cell box every 100 PCs.

* The datasheet is for informational purposes only and subject to change without prior notice.

