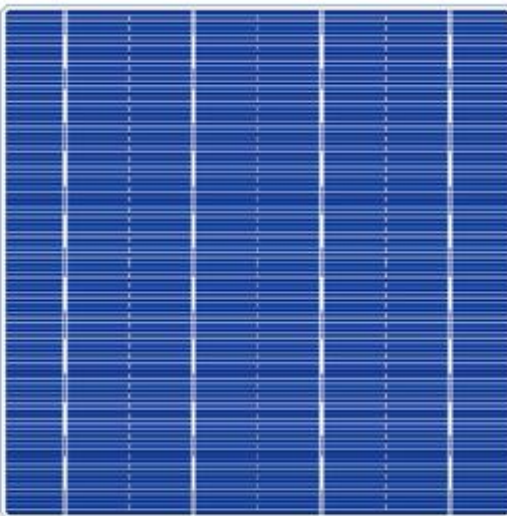


Multi-Crystalline Solar Cell

4 Bus Bar - Chain Pattern



Physical Characteristics

Dimension	156mm × 156mm ± 0.5mm
Thickness	210μm ± 30μm
Front Contact (-)	Blue Antireflective Coating(silicon nitride), Texturized Surface(acid), four 1.1 mm segment silver busbar
Back Contact (+)	Back-Surface Field(aluminum), 2.1±0.1 mm wide segment soldering pads(silver/aluminum)
Solderability	Peeling Strength> 2N/mm

Features

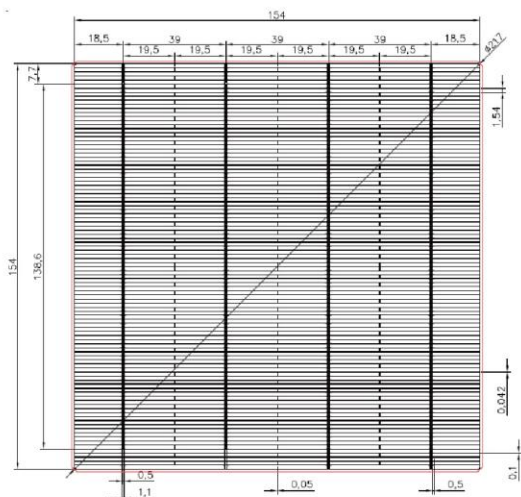
- ➔ High CTM resistance
- ➔ Perfect appearance and color uniformity
- ➔ Low LID
- ➔ Low reverse current
- ➔ High shunt resistance
- ➔ Low breakage rate
- ➔ Low power loss in any environment condition
- ➔ High life time, stability, reliability and performance



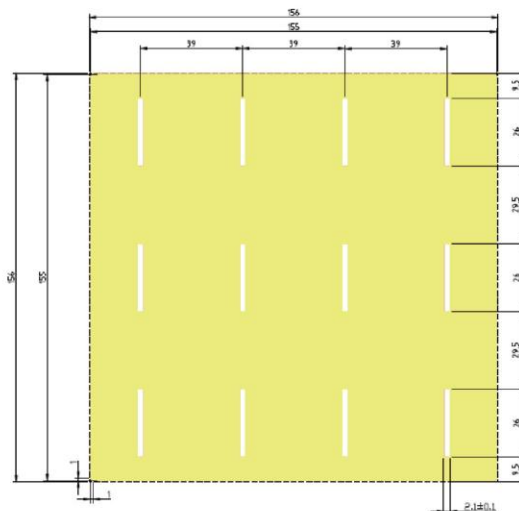


Appearance and Drawing

Front



Back



Electrical Characteristic

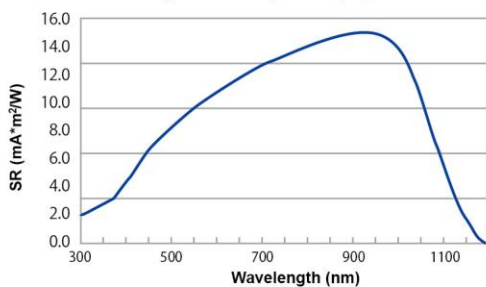
Model code	T1M-1850	T1M-1840	T1M-1830	T1M-1820	T1M-1810	T1M-1800	T1M-1790	T1M-1780	T1M-1760
Efficiency, (%)	18.50%	18.40%	18.30%	18.20%	18.10%	18.00%	17.90%	17.80%	17.60%
Pmax, (W)	4.50	4.48	4.45	4.43	4.40	4.38	4.36	4.33	4.28
Voc, (V)	0.631	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Isc, (A)	8.93	8.90	8.86	8.83	8.79	8.76	8.72	8.69	8.62
Vm, (V)	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Im, (A)	8.42	8.39	8.35	8.32	8.29	8.26	8.23	8.20	8.13

*All Data under Standard Test Condition : 1000W /M2, AM1.5, 25°C. Efficiency Range ±0.1% abs

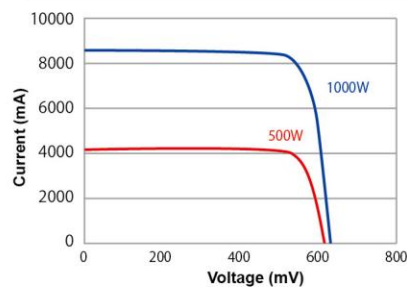
Temp. Coefficients

Power	-0.393 %/K
Current	0.0528 %/K
Voltage	-0.3209 %/K

Spectral Response (SR)



IV Curve



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