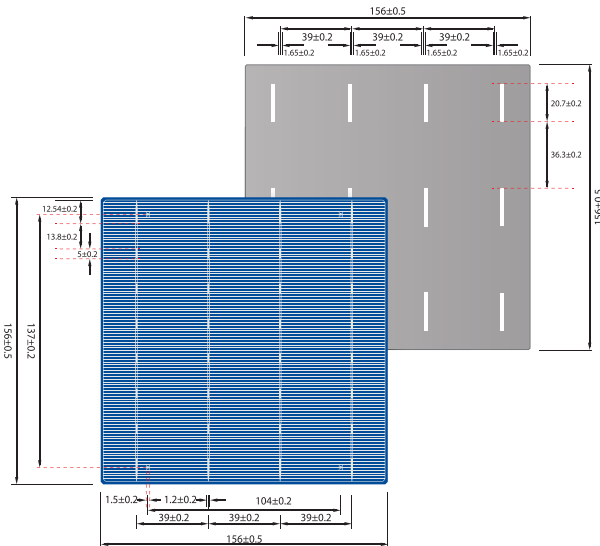
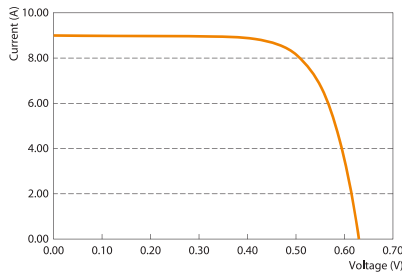


Thaisun Multicrystalline Silicon Solar Cells

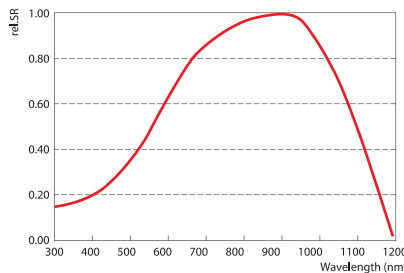
TSG-156P



IV Curve



Spectral Response



Thaisun Green Energy Co., Ltd.

221/3 Moo 6, Tambol Bueng, Amphur Sriracha, Chonburi Province.

Tel: +66 (0) 62 728 1515

E-mail: sales@thaisunpv.co.th

www.thaisunpv.co.th

Mechanical Characteristics

Product	Multicrystalline Silicon Solar Cell
Dimension	156x156mm±0.5mm
Thickness	180µm±20µm
Front (cathode)	1.2mm bus bare(silver), blue anti-reflecting coating (silicon nitride)
Back (anode)	1.65mm wide soldering pads(silver), back surface field (aluminium)

Temperature Coefficients

TkCurrent	+0.06%/K
TkVoltage	-0.35%/K
TkPower	-0.42%/K

Electrical Characteristics

Efficiency (%)	Pmpp (Wp)	Vmpp (V)	Imp (A)	Voc (V)	Isc (A)	FF (%)
18.60%	4.53	0.541	8.366	0.639	8.903	79.56%
18.40%	4.48	0.538	8.322	0.637	8.853	79.40%
18.20%	4.43	0.534	8.294	0.634	8.817	79.23%
18.00%	4.38	0.531	8.249	0.631	8.779	79.07%
17.80%	4.33	0.528	8.204	0.628	8.734	78.97%
17.60%	4.28	0.525	8.158	0.626	8.671	78.90%

All data at STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5G. Pmpp ±1.5%, Efficiency ±0.2% abs.

Intensity Dependence

Intensity(W/m ²)	Isc*(mA)	Voc*(mV)
1000	1.00	1.000
900	0.90	0.989
500	0.50	0.963
300	0.30	0.939
200	0.20	0.920

* Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m².

©May 2015 Thaisun Corporation. All rights reserved.

※ Specifications included in this datasheet are subject to change without notice.