



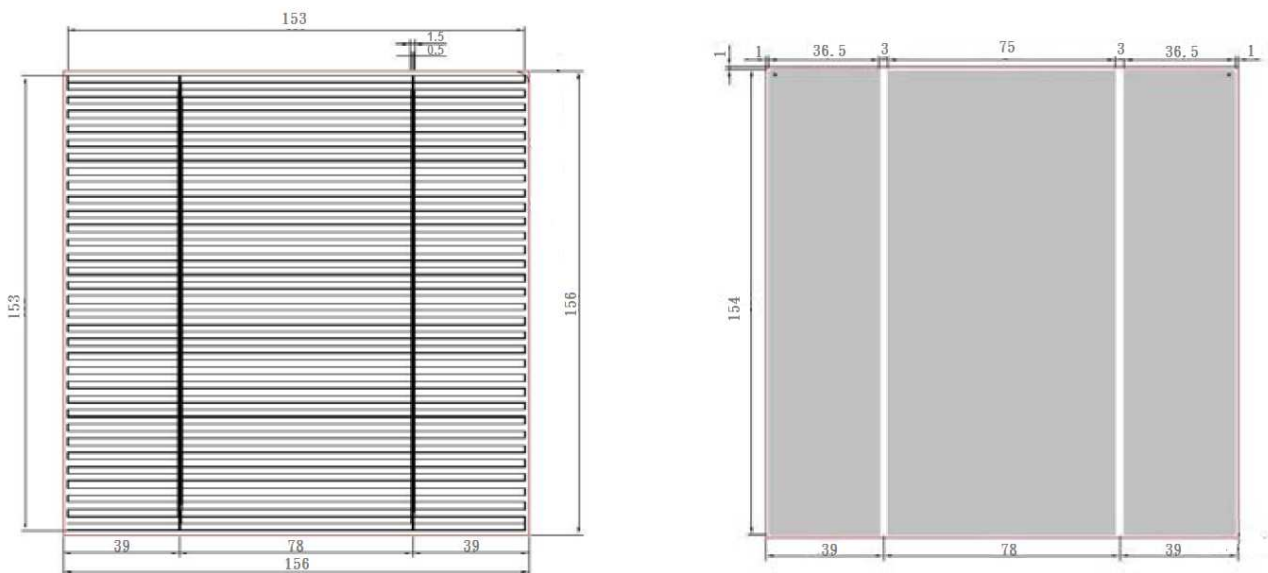
三福化工股份有限公司  
**San Fu Chemical Company**  
 7F, 21, Chung Shan N. Rd., Sec. 2, Taipei, Taiwan  
 Tel.: 886-2-2542-6789 Fax.: 886-2-2581-3215

## 6" Multi-crystalline solar cell

<b>Product</b>	<b>156×156mm<sup>2</sup> square Multi-crystalline solar cell</b>
<b>Dimension</b>	<b>156mm X 156mm +/- 0.5mm</b>
<b>Thickness</b>	<b>210 μm (+/- 40 μm)</b>
<b>Front</b>	<b>Two 1.5 mm wide bus bars(silver) with distance 78 mm, acid texturized surface with blue silicon nitride anti-reflection coating.</b>
<b>Back</b>	<b>3 mm wide silver/aluminum continuous bus bars, aluminum back surface field.</b>

**This multi-crystalline solar cell is a p-type cell (boron doped).**

### Outline Dimensions



### Typical Temperature Coefficients

The coefficient of current (Alpha) is +4.40 mA/K

The coefficient of voltage (Beta) is -2.15 mV/K

The coefficient of power (Gamma) is -0.46 %/K

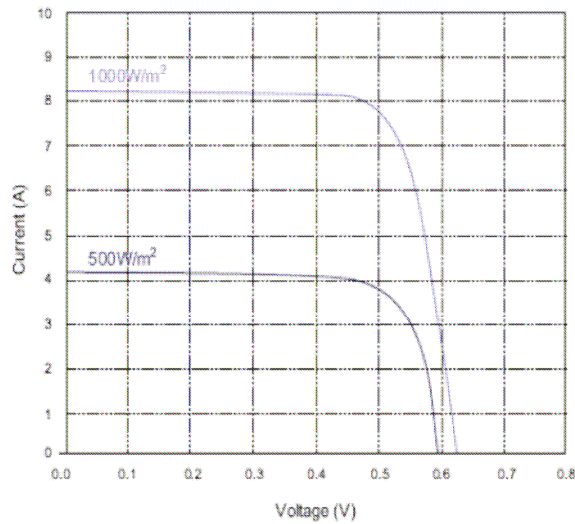


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## Electrical Curves

### I-V Curve

Cell efficiency = 16.2%



## Packing Classification

Category	SFM6-1650-UT	SFM6-1625-UT	SFM6-1600-UT	SFM6-1575-UT
Eff.	16.26~16.50	16.01~16.25	15.76~16.00	15.51~15.75
Rated Power(Wp)	3.99	3.92	3.86	3.80
Imp	7.84	7.73	7.64	7.55
Vmp	0.509	0.507	0.505	0.503
Isc	8.39	8.31	8.26	8.20
Voc	0.616	0.614	0.612	0.610



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Category	SFM6-1550-UT	SFM6-1525-UT	SFM6-1500-UT	SFM6-1475-UT
Eff.	15.26~15.50	15.01~15.25	14.76~15.00	14.51~14.75
Rated Power(Wp)	3.74	3.68	3.62	3.56
Imp	7.47	7.37	7.28	7.21
Vmp	0.501	0.499	0.497	0.494
Isc	8.14	8.09	8.03	7.97
Voc	0.608	0.606	0.604	0.602

Category	SFM6-1450-UT	SFM6-1400-UT
Eff.	14.01~14.50	13.01~14.00
Rated Power(Wp)	3.47	3.29
Imp	7.16	7.03
Vmp	0.485	0.478
Isc	7.79	7.61
Voc	0.600	0.595

Note : Measurement under standard testing conditions (STC): 1,000W/m<sup>2</sup>, AM1.5G, 25°C ; Efficiency: ± 0.2% abs.