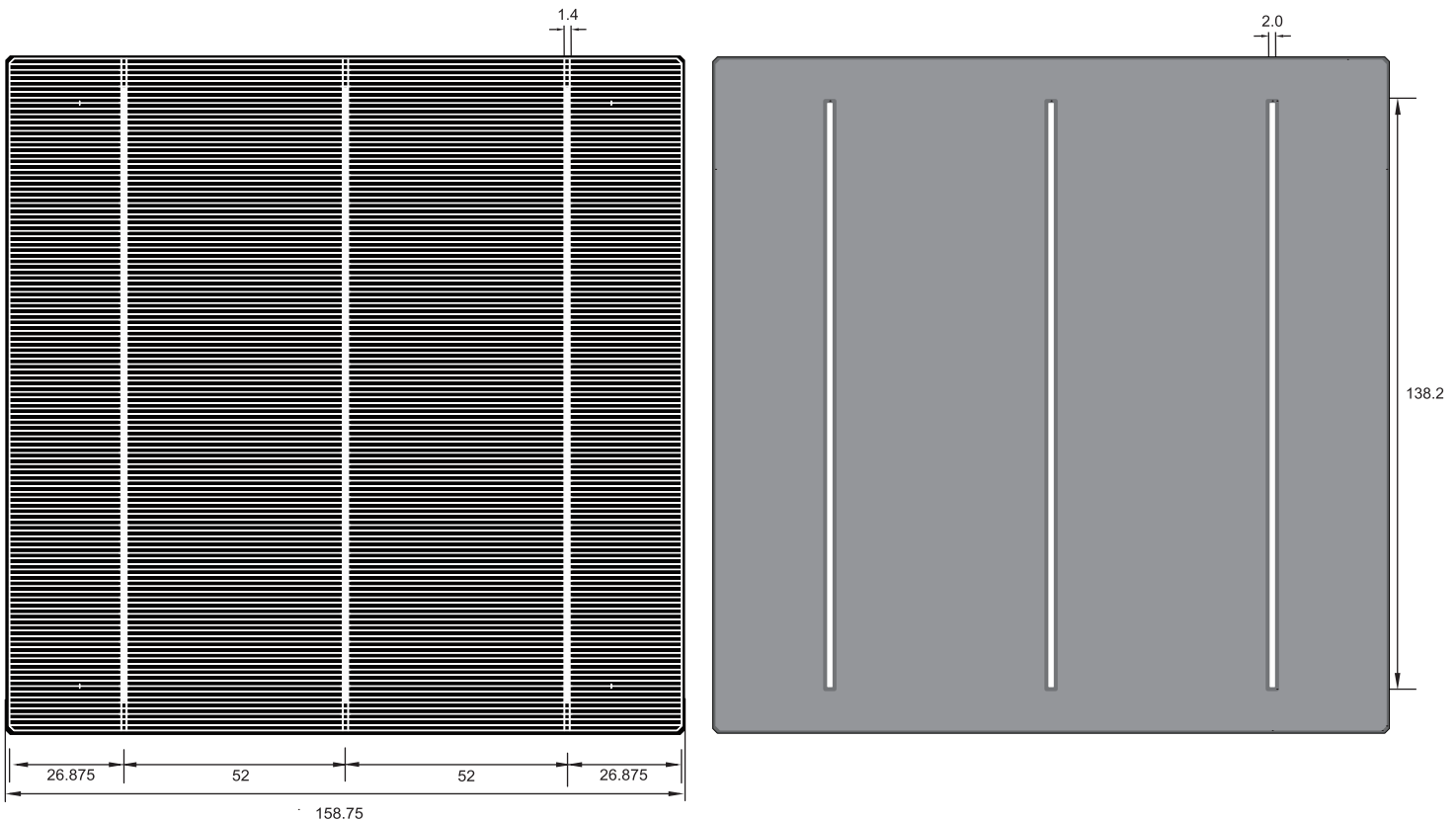


# Mono-crystalline Silicon 6" PERC Solar Cell

## P6F3B



## Physical Characteristics

<b>Cell type</b>	<b>Mono-crystalline Silicon PERC Solar Cell</b>
<b>Dimension</b>	158.75 mm X 158.75 mm $\pm$ 0.25 mm 223 mm $\pm$ 0.25 mm (Diagonal length)
<b>Cell Thickness</b>	190 $\mu$ m $\pm$ 30 $\mu$ m
<b>Front side (–)</b>	Silicon nitride anti-reflection coating Three 1.4 $\pm$ 0.1 mm wide bus bars with distance 52 mm
<b>Back side (+)</b>	Full surface aluminum back surface field Three 2.0 $\pm$ 0.1 mm continuous soldering pads

# P6F3B

## General Characteristics

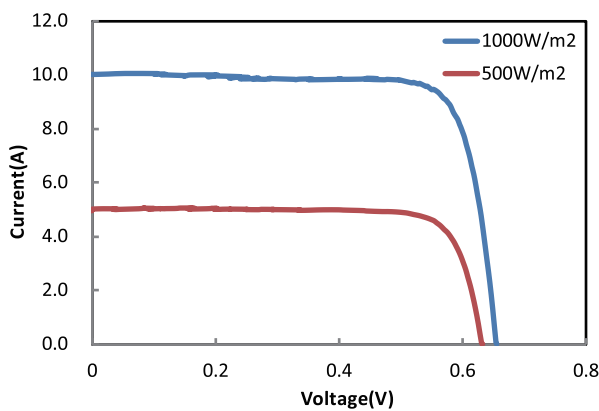
Eff(%)	Pmpp(Pmax)(W)	Voc(V)	Isc(A)	Vmpp(Vmp)(V)	Impp(Imp)(A)
21.2	5.34	0.663	10.14	0.555	9.63
21.3	5.37	0.664	10.17	0.556	9.66
21.4	5.39	0.665	10.19	0.557	9.68
21.5	5.42	0.666	10.22	0.558	9.72
21.6	5.44	0.667	10.25	0.559	9.74
21.7	5.47	0.668	10.28	0.560	9.76
21.8	5.49	0.670	10.29	0.562	9.77
21.9	5.52	0.671	10.31	0.563	9.81
22.0	5.54	0.672	10.32	0.564	9.82
22.1	5.57	0.673	10.33	0.566	9.84
22.2	5.59	0.674	10.35	0.567	9.86
22.3	5.62	0.675	10.36	0.569	9.87

- Under standard test condition : 1000W / m<sup>2</sup> , AM 1.5 , 25°C • Illustration : 21.6% → actual range 21.6%~21.69%
- Specification and data are for reference only and may change without prior notice.

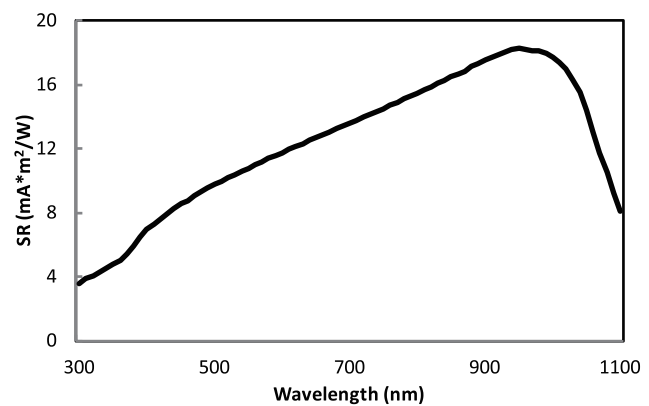
## Temperature coefficient

Voc	Isc	FF	Power
-0.2771%/K	0.0650%/K	-0.1123%/K	-0.3212%/K

## Typical I-V Curve



## Spectral Response



## Electrical Properties

Parameter	Grade A
Cell efficiency / P <sub>mp</sub>	Measured cell efficiency (or P <sub>mp</sub> ) according to above mentioned bin criteria (AM 1.5, 1000 W/m <sup>2</sup> , 25 °C)
Shunt Resistivity	> 30 Ohm
Reverse dark current	I <sub>rev 2</sub> < 1.5A at -12V and 25°C