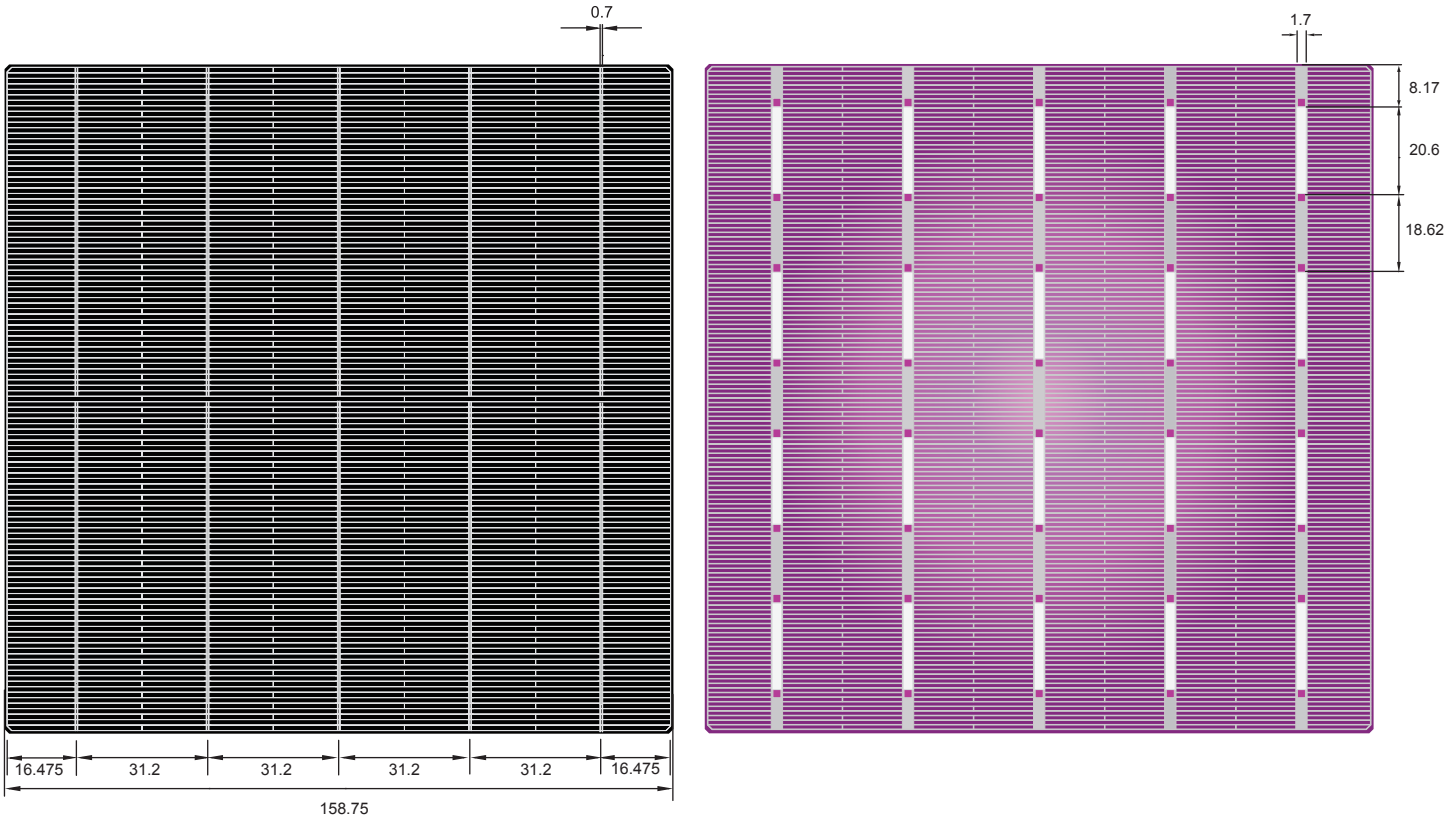
Mono-crystalline Silicon 6” PERC Bifacial Solar Cell

B6F5H



Physical Characteristics

Cell type	Mono-crystalline Silicon PERC Solar Cell
Dimension	158.75 mm X 158.75 mm ± 0.25 mm 223 mm ± 0.25 mm (Diagonal length)
Cell Thickness	190 μm ± 30 μm
Front side (−)	Silicon nitride anti-reflection coating Five 0.7 ± 0.1 mm wide bus bars with distance 31.2 mm
Back side (+)	Silicon nitride anti-reflection coating Five 1.7 ± 0.1 mm discontinuous soldering pads

B6F5H

General Characteristics

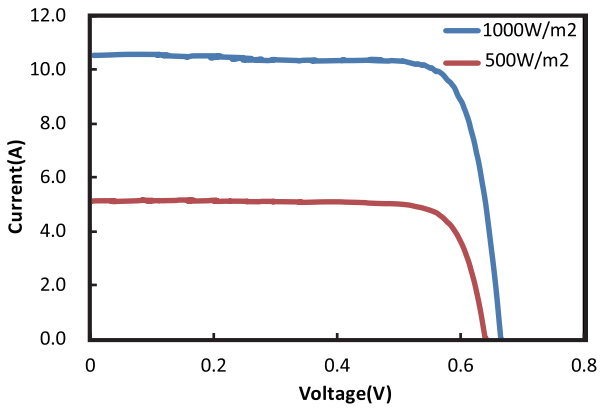
Eff(%)	Pmpp(Pmax)	Voc	Isc	Vmpp(Vmp)	Impp(Imp)
21.2	5.34	0.665	10.20	0.559	9.56
21.3	5.37	0.666	10.21	0.560	9.59
21.4	5.39	0.667	10.22	0.561	9.61
21.5	5.42	0.668	10.23	0.562	9.65
21.6	5.44	0.669	10.24	0.563	9.67
21.7	5.47	0.670	10.25	0.564	9.70
21.8	5.49	0.671	10.26	0.565	9.72
21.9	5.52	0.672	10.27	0.567	9.74
22.0	5.54	0.673	10.28	0.568	9.76
22.1	5.57	0.674	10.29	0.570	9.78
22.2	5.59	0.675	10.30	0.571	9.79
22.3	5.62	0.676	10.31	0.572	9.82

- Under standard test condition : 1000W / m2 , 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.

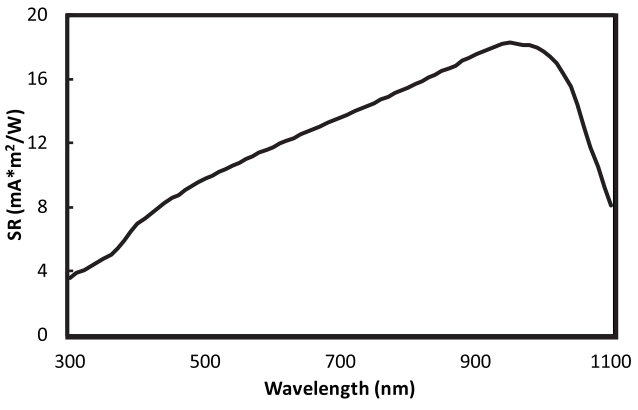
Temperature coefficient

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_{mpp}	Measured cell efficiency (or P_{mpp}) according to above mentioned bin criteria (AM 1.5, 1000 W/m², 25 °C)
Shunt Resistivity	> 30 Ohm
Reverse dark current	Irev 2 < 1.5A at -12V and 25°C

EEPV CORP.

Tel : +886-3-4629988 | Fax : +886-3-4625511 | www.eepv.com.tw | No.156, Jhongyuan Rd., Jhongli Dist., Taoyuan City 32068, Taiwan