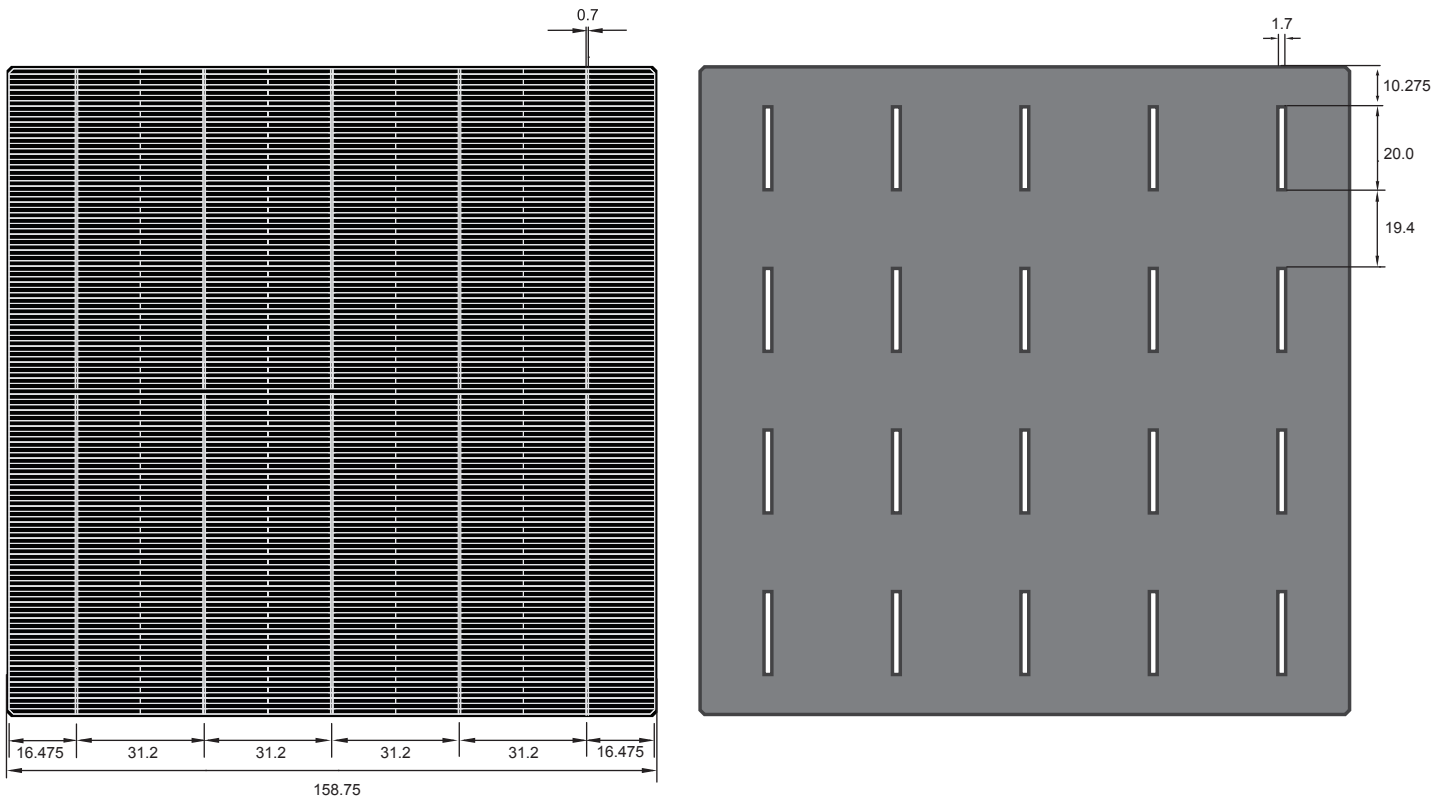




Mono-crystalline Silicon 6" PERC Solar Cell

P6F5H



Physical Characteristics

Cell type	Mono-crystalline Silicon PERC Solar Cell
Dimension	158.75 mm X 158.75 mm \pm 0.25 mm 223 mm \pm 0.25 mm (Diagonal length)
Cell Thickness	190 μ m \pm 30 μ m
Front side (–)	Silicon nitride anti-reflection coating Five 0.7 \pm 0.1 mm wide bus bars with distance 31.2 mm
Back side (+)	Full surface aluminum back surface field Five 1.7 \pm 0.1 mm discontinuous soldering pads

P6F5H

General Characteristics

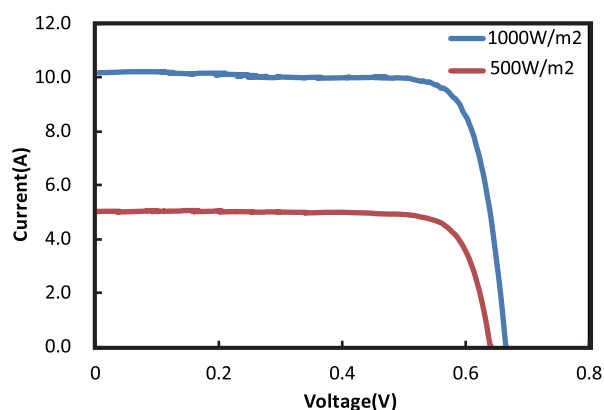
Eff(%)	Pmpp(Pmax)	Voc	Isc	Vmpp(Vmp)	Impp(Imp)
21.2	5.34	0.662	10.06	0.560	9.54
21.3	5.37	0.663	10.08	0.562	9.56
21.4	5.39	0.664	10.10	0.563	9.58
21.5	5.42	0.666	10.12	0.565	9.60
21.6	5.44	0.667	10.14	0.566	9.62
21.7	5.47	0.668	10.16	0.567	9.64
21.8	5.49	0.669	10.18	0.568	9.66
21.9	5.52	0.670	10.20	0.570	9.69
22.0	5.54	0.671	10.22	0.571	9.71
22.1	5.57	0.673	10.23	0.572	9.73
22.2	5.59	0.664	10.25	0.573	9.75
22.3	5.62	0.675	10.26	0.575	9.77
22.4	5.64	0.676	10.28	0.576	9.79

- 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.

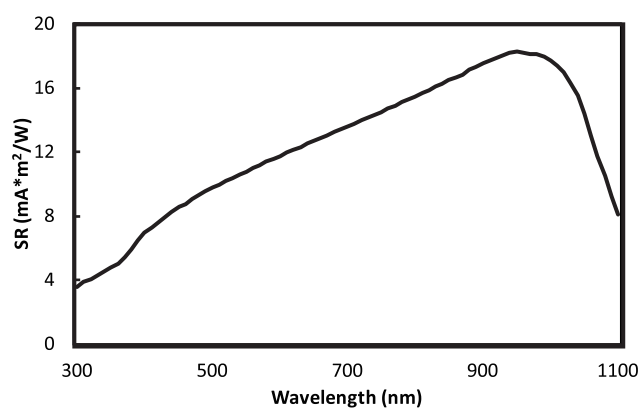
Temperature coefficient

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