

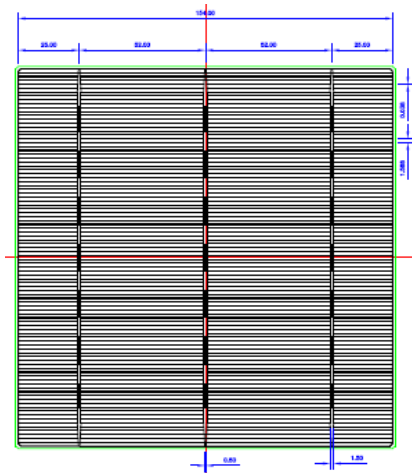
The technical specification of solar cells

◆ K6M156B396 ◆

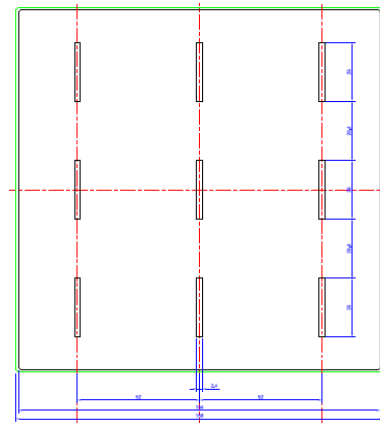
1. Physical Characteristic

Cell type	6" Multi Crystalline Solar Cell 3busbar
Dimension	156 mm x 156 mm ±0.5 mm
Thickness(Si)	200 μm ±30 μm
Front Contact	Silicon nitride anti-reflection coating 3 silver discontinuous type busbar, distance 52mm, 1.4mm wide
Back Contact	Full surface aluminum back surface field 3 silver discontinuous type busbar, distance 52mm, 2.5mm wide discontinuous silver soldering pads.

1. Dimensions



[Front Design]



[Back Design]

2. Electrical Parameters

K6M156B3	1800	1780	1760	1740	1720	1700	1680	1660	1640
Eff(%)	18.00	17.80	17.60	17.40	17.20	17.00	16.80	16.60	16.40
Pmax(Wp)-sell	4.380	4.332	4.283	4.234	4.186	4.137	4.088	4.040	3.991
Isc(A)*	8.784	8.742	8.696	8.645	8.590	8.547	8.515	8.460	8.401
Voc(mV)*	633	632	631	629	627	623	618	617	614
Imax(A)*	8.233	8.174	8.115	8.053	8.005	7.966	7.908	7.843	7.779
Vmax(mV)*	532	530	528	526	523	519	517	515	513

※ All data at standard testing condition (STC): 1,000 W/m², AM 1.5G, 25°C

※ All figures, Pmax: +/-2% Voc & Vmax: +/-1%, Isc & Imax: +/-3%

※ Model name = Product code + Efficiency Code, i.e : K6M156B3-1

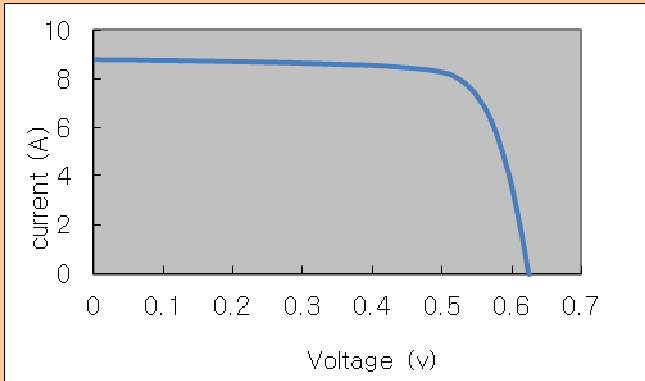
※ These electrical parameters are typical mean values from historical production data.

※ KPE's calibration standards shall be in compliance with the standards applied by Fraunhofer.

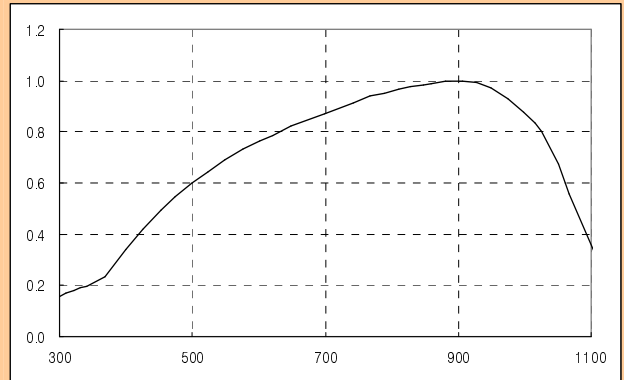
ISE, Germany

3. Characteristic

- IV curves.



- Spectral Response



- Temperature coefficients

Power: -0.40%/K
 Short circuit current: 0.05%/K
 Open circuit voltage: -0.33%/K

- Irradiance dependence

Irradiance(W/m2)	Isc(%)	Voc(%)
1000	1.00	1.00
900	0.90	1.00
500	0.50	0.97
300	0.30	0.95
200	0.20	0.93

* KPE reserves the right to change the specification without prior notice and please contact us for detailed specification

4. Packing

Standard packing for one carton box is 1,400cells, every 100pcs sealed in Paper box by special design which minimizes the risk of cell damage. Gross weigh per unit box shall be around 19kg.

Information and Sales

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