CanadianSolar	CC10MB-HJT产品说明书	文件编号	K-Other-D-8H-001
		版本/版次	A/1

Product	Edge Length(mm)	Efficency(%)
CC10MB-HJT	**182*91**	**22.5-23.8**

1 High performance

monocrystalline HJT silicon solar cells are 182*91mm sized with high efficiency, developed by Canadian Solar Inc. The maximum cell efficiency has reached 23.8%. Perfect surface passivation and the well designed anti-reflection coating ensures high cell efficiency.

Production technology

Canadian Solar uses fully automated systems in the cell production, from silicon wafer to solar cells and to final quality control. Our production technology, manufacturing techniques and stringent process quality control guarantee the highest quality solar cells produced by Canadian Solar Inc..

Optimised properties

The cells are tested for optimum performance and process characteristics. Cells are sorted according to color spectrum and efficiency range. Cells are also checked for mechanical and visual defects. Canadian Solar offers high-performance cells with narrowly defined product characteristics.

2 The advantages

Production and quality control

Across-the-board soft handling during production to avoid microfissures and reduce breakage rating during onward processing.

High-quality, homogeneous appearance to visual checks of properties

Electrical Properties:

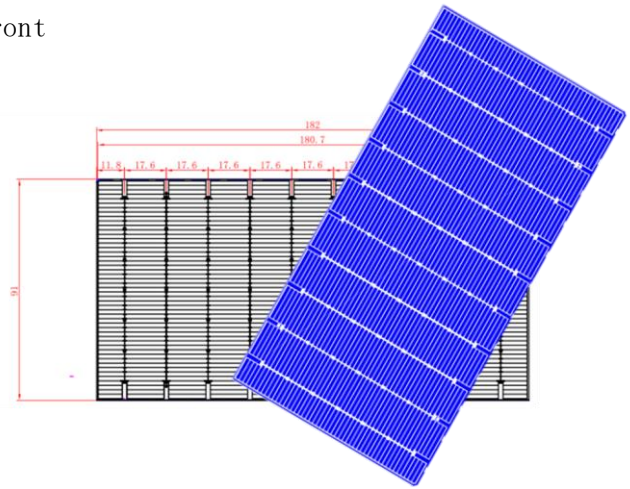
Excellent long-term electrical stability through with crystalline silicon technology

3 Mechanical data and design

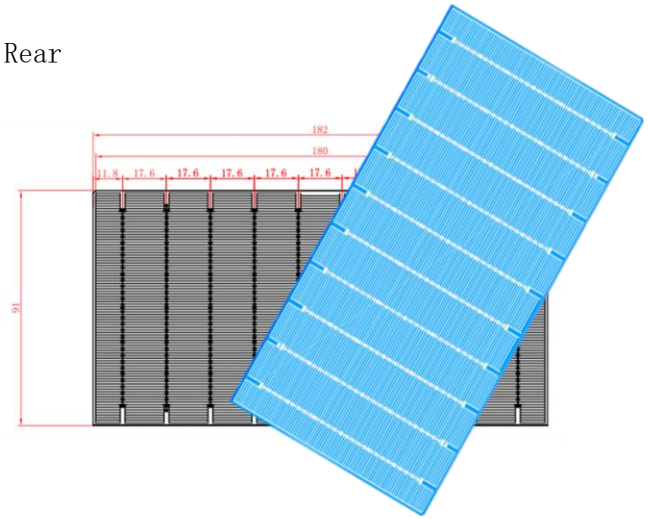
Product	Heterojunction Silicon Solar Cell
Dimension	182.0mm×91.0mm±0.25mm
Diagonal	202.8mm±0.5mm
Thickness	150μm+20μm ;150μm-10μm
Front(-)	Alkali textured surface with blue transparent conducting oxide film coating The front pattern with 50 fingers and 10 busbars Distance of 17.6 mm between two 0.12 mm wide silver bus bars
Back(+)	The back pattern with 90 fingers and 10 busbars Distance of 17.6 mm between two 0.12 mm wide Ag bus bars

4 Appearance and drawing

Front



Rear



5 Electrical Data

Efficiency Code		22.5	22.6	22.7	22.8	22.9	23	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8
Voc	mV	739.4	739.8	740.3	740.7	741.2	741.7	742.1	742.6	743.0	743.5	744.0	744.4	744.9	745.3
Isc	A	6.417	6.418	6.420	6.422	6.424	6.426	6.428	6.430	6.432	6.433	6.435	6.437	6.439	6.441
Vmp	mV	621.8	623.4	625.1	626.7	628.4	630.0	631.6	633.2	634.9	636.5	638.1	639.7	641.3	642.8
Imp	A	6.006	6.017	6.027	6.038	6.049	6.059	6.070	6.080	6.091	6.102	6.112	6.123	6.134	6.144
Pmax	W	3.73	3.75	3.77	3.78	3.80	3.82	3.83	3.85	3.87	3.88	3.90	3.92	3.93	3.95

The electrical data apply to standard test conditions(STC):

Irradiance at the module level of 1000W/㎡,with spectrum AM 1.5 and a cell temperature of 25℃

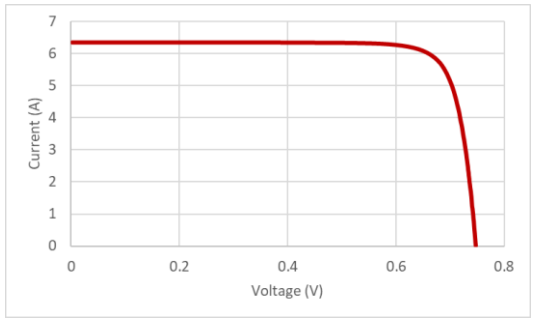
The above data are average figures presently measured.Data are calibrated according to 100% CTM.

6 Temperature Coefficient

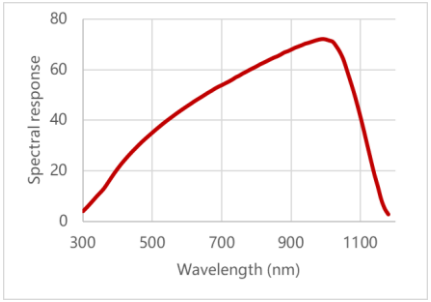
Power	-0.20 %/k
Voltage	-0.19 %/k
Current	0.02 %/k

7 Electrical curve

IV-Curve



Spectral response



8 Packaging

One package contains 100 pcs of cells.

* Specifications included in this datasheet are subject to change without prior notice

About Canadian Solar

canadian solar is a vertically-integrated manufacturer of silicon ingots,wafers,cells, solar modules and custom-designed solar power applications.canadian solar was founded in canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ)in November 2006.

By the end of 2008,Canadian solar has a module capacity of over 600MW.With revenues over709 million dollars in 2008,a 134% growth in revenue over 2007,Canadian Solar has become one of the fastest-growing companies in the solar industry.

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