



Dia160mm 6v ETFE Solar Panel

Specifications

Model Number	XR-HSM160-6-01D
Maximum power(Wmp)	2.4W
Maximum power voltage(Vmp)	6.36V
Maximum power current(Imp)	385mA
Open circuit voltage(Voc)	8.16V
Short circuit current(Isc)	420mA
Cells types & Size	Back contact Solar cell 50.4*20mm
Size of module(mm)	Dia160*2.2mm
Cells No.	12pcs
Backing material	PCB FR-2 1.2MM
Solar panel's thickness:	2.2mm±0.3mm
Cell Efficiency(%)	>23.5%
Temperature Range	-40°C+85°C
Output tolerance(%)	±3%
Lamination made:	PCB+Cell + 2EVA+ Frosting ETFE Film
Test condition:	STC: 1000W/m ² , AM 1.5 and cell temp 25°C
Lifespan	>5 years
Time of delivery	15-30days
Net Weight	100g
Certification / Standards	CE, RoHS

***Provided the solar panels' installation meets the industrial quality standard.**

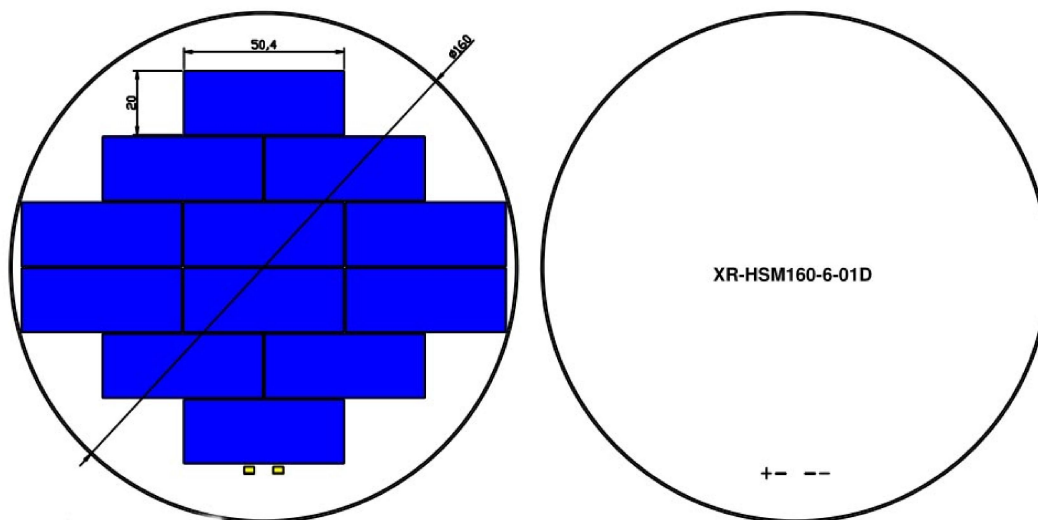


Ningbo XinRong New Energy Technology Co., Ltd

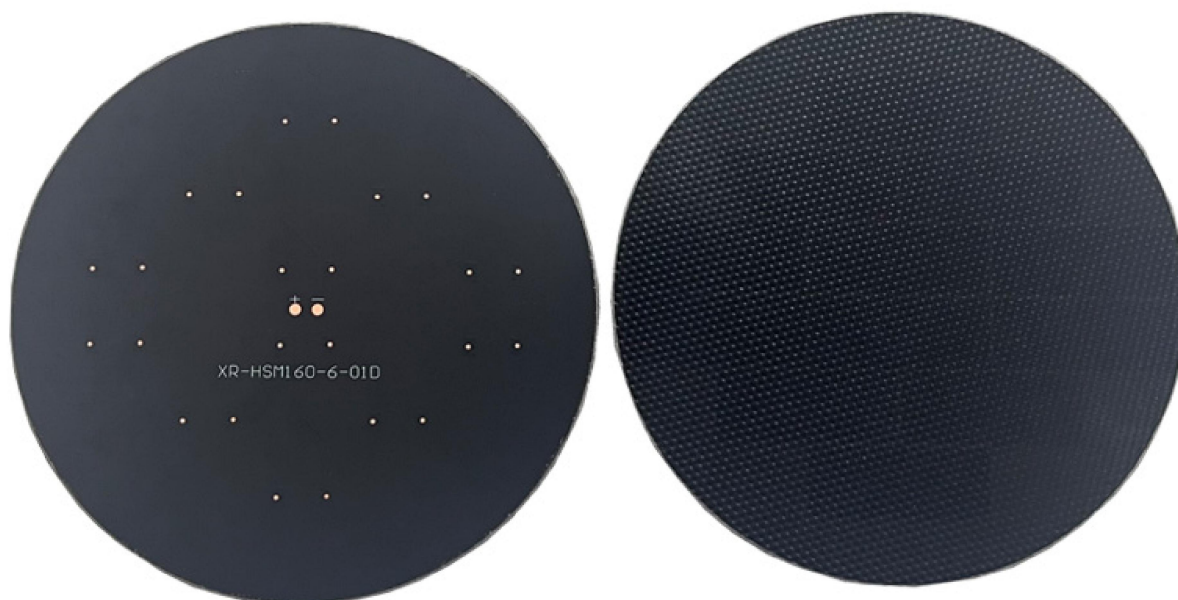
Address: No. 312 Kemao Road, JISHIGANG Industrial Zone, Yinzhou District, Ningbo City, Zhejiang, China

Contact: Echo Pan Tel: 0086-574-27709696 Email: sales02@nbxrsolar.com

Drawing



Similar Picture for reference

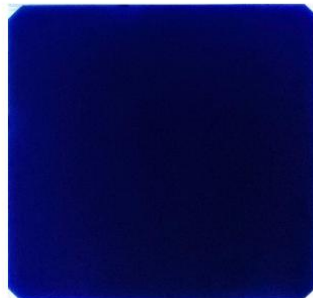
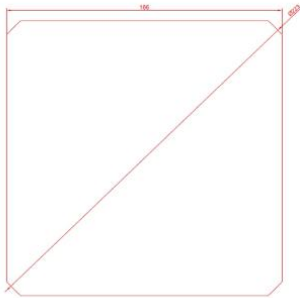




Datasheet Back Contact CELL

Mechanical Data and Design (Units: mm)

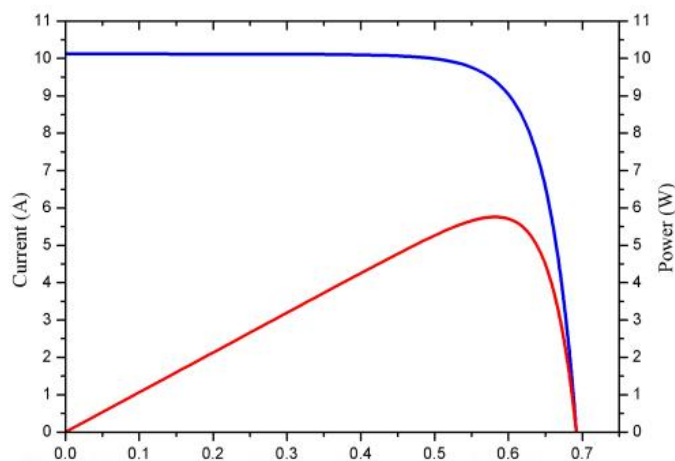
电池正面 Front side



Electrical Characteristics

转换效率	最大功率	最大功率点电压	最大功率点电流	开路电压	短路电流	填充因子
Efficiency(%)	Pmpp(Wp)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
24.30-24.40	6.67	0.598	11.142	0.698	11.759	81.23
24.20-24.30	6.64	0.597	11.127	0.697	11.751	81.10
24.10-24.20	6.62	0.595	11.114	0.695	11.747	81.00
24.00-24.10	6.59	0.594	11.101	0.694	11.736	80.89
23.90-24.00	6.57	0.592	11.090	0.694	11.726	80.75
23.80-23.90	6.54	0.591	11.075	0.693	11.719	80.58
23.70-23.80	6.51	0.589	11.056	0.692	11.710	80.39
23.60-23.70	6.48	0.588	11.029	0.691	11.700	80.18
23.50-23.60	6.46	0.587	11.006	0.690	11.689	80.01
23.40-23.50	6.43	0.586	10.975	0.690	11.684	79.77
23.30-23.40	6.40	0.584	10.956	0.689	11.681	79.52
23.20-23.30	6.37	0.583	10.934	0.689	11.671	79.30

IV Curve



Spectral Response (SR)

