

WAYSOLAR DOUBLE-GLASS BIFACIAL MODULE

72CELLS/9BB
P-TYPE/MONO/BIFACIAL

385-400W
POWER OUTPUT

19.9%
MAX. EFFICIENCY



10% WHITE
TRANSPARENCY OPAQUE



COMPANY PROFILE

Ningbo RayTech New Energy Materials Co., Ltd. (RayTech) focuses on New Energy & New Materials manufacturing, and integrates Product R&D, Designing, Manufacturing, Sales, After-sale Service as a "One-stop Product & Service Solution Provider" enterprises. The company's headquarter is based in Hangzhou Bay New District, Ningbo City, Zhejiang Province, China. RayTech's main focus is in two sectors: "solar modules manufacturing & solar system integration" and "smart glass panel materials". The company has a sophisticated Research & Development team, a State Key Laboratory, and an AI-integrated fully-automated factory.

The company has an annual solar module production capacity of 1.2GW, producing both single-glass and double-glass solar modules. The company's smart glass panel material annual manufacturing capacity is 1 million square meters. The smart glass panels support multiple functions such as spatial separation, remote AI control, light brightness and temperature control. The company's factories are located in Zhejiang, Jiangsu and Shandong.

RayTech is dedicated to providing products that can bring optimized values to the customers. The company's sustainable development concept are "Solar makes life better" and "Let modern science and technology perfectly integrate with the nature". Core corporate culture is "Be Pragmatic, Inclusive, Refined and Innovative".

PRODUCT FEATURES



Exceptional Product Durability

- High Resistance to PID;
- Low Risk of Micro-cracks;Zero Snail Trails Probability;



Working Condition Compatibility & Safety

- High Resistance to High Temp., High Humidity, Sand, Acid and Alkali Environment;
- 5400Pa Snow Loading, 2400Pa Wind Loading;
- Passed Hail Test (35mm Diameter, 97km/h);
- Class-A Fireproofing;



Optimized Power Gain

- 25% Max. Rear-side Power Gain;
- Integrates Multiple-Busbar (MBB) Tech;
- Better Low-Light Performance;



Higher-Than-Ever ROI

- 158.75mm Large Cells, Higher Power Gain;
- 1500V System Voltage, Lower BOS Cost;
- Annual Degradation < 0.5%, 30-year Linear Performance Warranty;Lower LCOE, Higher IRR;

CERTIFICATION



CONTACT US

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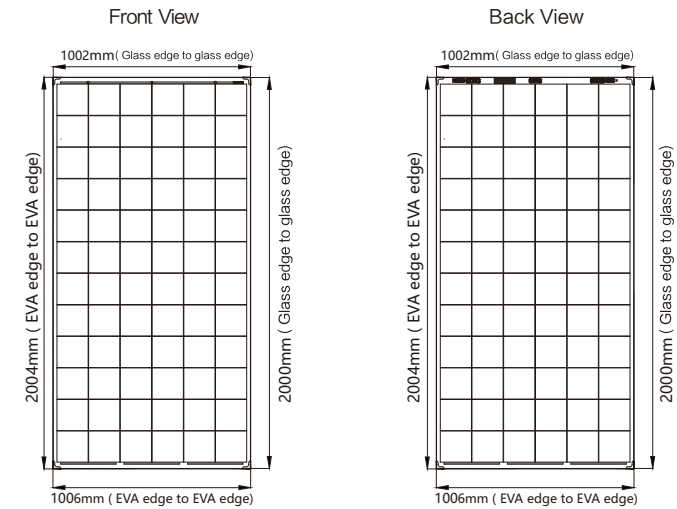


Wechat Public Account

P-type Bifacial Double-Glass Module (72 Cells): 385-400W

ENGINEERING DRAWING

MECHANICAL SPECIFICATIONS



Cell Type	Mono crystalline (158.75mm*158.75mm)
Solar Cells	72(6*12)
Module Dimension [mm]	2000*1002*6 (2004*1006*6with edge banding)
Weight [Kg]	28.0
Front Glass [mm]	2.5 Semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass [mm]	2.5 Semi tempered glass
Junction Box	Ip67 Rated, 3 by-pass diodes
Connector	Multi-Contact MC4(or equivalent)
Frame	No frame
Maximum Load Capacity [Pa]	2400(wind load)/5400(snow load)

ELECTRICAL CHARACTERISTICS

		BPDM72(S)-385		BPDM72(S)-390		BPDM72(S)-395		BPDM72(S)-400	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power at STC [Pmax]	[W]	385	285	390	289	395	292	400	296
Open Circuit Voltage [Voc]	[V]	48.79	45.11	49.04	45.35	49.34	45.62	49.71	45.96
Short Circuit Current [Isc]	[A]	10.06	8.11	10.13	8.17	10.20	8.23	10.24	8.26
Voltage at Maximum Power point[Vm]	[V]	40.22	36.55	40.48	36.79	40.76	37.04	41.06	37.32
Current at Maximum Power point[Im]	[A]	9.57	7.79	9.63	7.84	9.69	7.89	9.74	7.93
Power Tolerance	[%]								
Module Efficiency	[%]	19.2		19.4		19.7		19.9	

STC: Air Mass AM1.5,Ir-radiance 1000W/m² Cell temperature 25°C. NMOT: Air Mass AM1.5, Ir-radiance 800W/m² Ambient tempera-ture 20°C, wind speed 1m/s.

DOUBLE SIDES POWER OUTPUT (REAR-SIDE GAIN)

	5%				10%				15%			
Maximum Power [Pmax]	399	405	410	415	414	419	425	430	428	434	439	445
Module Efficiency	19.9%	20.2%	20.4%	20.7%	20.6%	20.9%	21.2%	21.4%	21.3%	21.6%	21.9%	22.2%

WORKING CONDITIONS

TEMPERATURE COEFFICIENTS

Maximum System Voltage(With S)	[V]	1000 DC(IEC)
Maximum System Voltage(Without S)	[V]	1500 DC(IEC)
Operating Temperature	[°C]	-40~+85
Nominal Operating Cell Temperature	[°C]	45±3
Maximum rated current	[A]	15

Temperature Coefficient of Pmax	[%/°C]	-0.42
Temperature Coefficient of Voc	[%/°C]	-0.33
Temperature Coefficient of Isc	[%/°C]	0.04

PACKAGE CONFIGURATION	
Per box 30 pieces	40" HQ 660 pieces

ELECTRICAL CURVES

LINEAR PERFORMANCE WARRANTY

