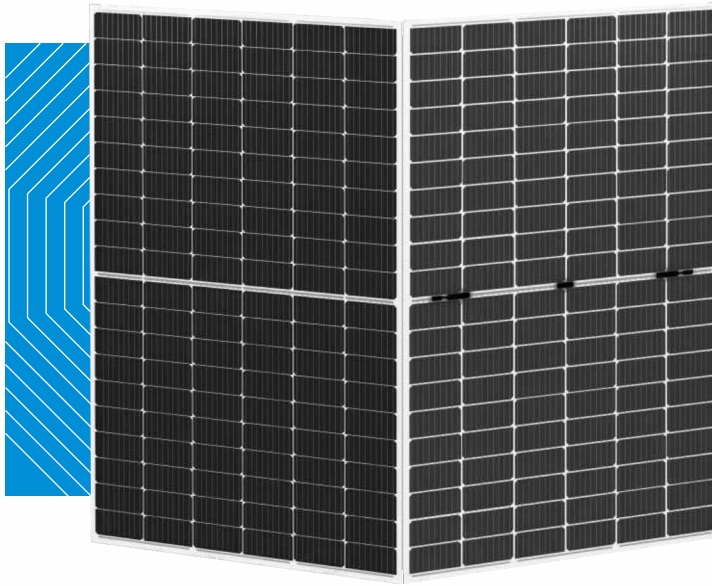
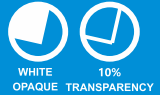





**RAYTECH  
DOUBLE-GLASS BIFACIAL MODULE**

**60 LAYOUT  
MONO BIFACIAL MODULE**
**360-380W  
POWER OUTPUT**
**20.6%  
MAX. EFFICIENCY**

**COMPANY PROFILE**

Ningbo Raytech New Energy Materials Co., Ltd. (referred to as Raytech) is a national high-tech enterprise focusing on "new energy and new materials", integrating R&D, design, manufacturing sales and service. The company's main team has been focusing on the R&D and manufacturing of double-glass solar panels since 2009. Its production bases are located in Zhejiang, Jiangsu, and Shandong. The company has an independent technology R&D team, a national key laboratory, and a fully automatic productionline for intelligent manufacturing. The product and quality control standards have reached the industry-leading level.

The company's products have obtained: TuV certification, UL certification, Australian CEC accreditation, Brazil INMETRO certification, the first batch of "Double Glass Leader Certification" in China, ISO9001 international quality system certification, 3C certification and many other authoritative certifications.

Raytech adheres to the business philosophy of "centering on user value and oriented to win-win cooperation", adheres to the principle of "pragmatic, inclusive, refined, and innovative", and carries the vision of "let the golden sunshine restore its natural color" to serve and contribute to the promotion of diversified applications of clean energy.

**PRODUCT FEATURES**

- 
**Optimized Power Gain**
  - 25% Max. Rear-side Power Gain;
  - Half-Cell Cutting Technology to Lower the Output Power Losses Brought by Shading;
  - Integrates Multiple-Busbar(MBB) Tech, Higher Power Output
- 
**Working Condition Compatibility & Safety**
  - High Resistance to High Temp., High Humidity, Sand, Acid and Alkali Environment;
  - 5400Pa Snow Loading, 2400Pa Wind Loading;
- 
**Higher-Than-Ever ROI**
  - 1500V System Voltage, Lower BOS Cost;
  - Annual Degradation < 0.45%, 30-year Linear Performance Warranty;

**CERTIFICATION**

**CONTACT US**

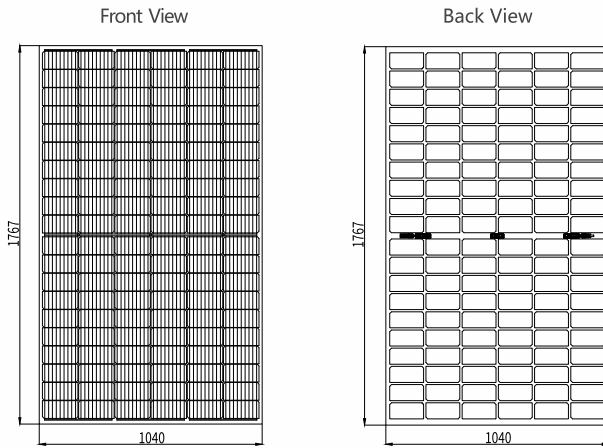
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 Address: Huyong Industry Park, 18 Qiyuan Road, Hangzhou Bay New District, Ningbo City, Zhejiang, China  
 Tel: +86-400-155-9909  
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 Email: [sales@raytm.cn](mailto:sales@raytm.cn)



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# Mono Bifacial Double-Glass Module: 360-380W

## ENGINEERING DRAWING



## MECHANICAL SPECIFICATIONS

Cell Type	Mono crystalline
Solar Cells	120(6*20)
Module Dimension [mm]	1767*1040*6
Weight [Kg]	25.0
Front Glass [mm]	2.5 Semi tempered coated glass
Interlayer	EVA/POE/PVB
Backsheet	2.5 Semi tempered glass
Junction Box	Ip68 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

Product model		BPDMJ60H(S)-360		BPDMJ60H(S)-365		BPDMJ60H(S)-370		BPDMJ60H(S)-375		BPDMJ60H(S)-380	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power at STC [Pmax]	[W]	360	269	365	273	370	277	375	280	380	284
Open Circuit Voltage [Voc]	[V]	40.77	38.1	41.00	38.3	41.27	38.5	41.61	38.9	41.82	39.1
Short Circuit Current [Isc]	[A]	11.22	9.05	11.28	9.10	11.35	9.15	11.43	9.22	11.53	9.30
Voltage at Maximum Power point [Vm]	[V]	33.65	30.9	33.93	31.1	34.20	31.4	34.45	31.6	34.69	31.8
Current at Maximum Power point [Im]	[A]	10.70	8.71	10.76	8.76	10.82	8.81	10.89	8.87	10.95	8.92
Power Tolerance	[W]	0~+5									
Module Efficiency	[%]	19.5		19.8		20.1		20.4		20.6	

STC: Air Mass AM1.5, Ir-radiance 1000W/m Cell temperature 25°C. NMOT: Air Mass AM1.5, Ir-radiance 800W/m Ambient temperature 20°C, wind speed 1m/s. Power Tolerance : ±3%

## DOUBLE SIDES POWER OUTPUT ( BACK GAIN )

Gain (%)	Parameter	Unit	360W	365W	370W	375W	380W
5%	Pmax (W)	[W]	378	383	389	394	399
10%	Pmax (W)	[W]	396	402	407	413	418
15%	Pmax (W)	[W]	414	420	426	431	437
20%	Pmax (W)	[W]	432	438	444	450	456

Bifaciality=75±5%

## WORKING CONDITIONS

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]	20

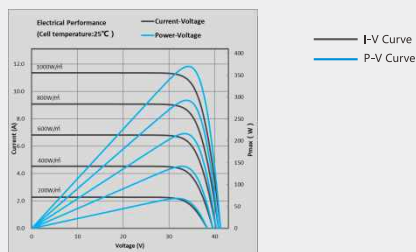
## TEMPERATURE COEFFICIENTS

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 38 pieces	40" HQ 912 pieces
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## ELECTRICAL CURVES



## LINEAR PERFORMANCE WARRANTY

NO MORE THAN 0.45% ANNUAL DEGRADATION OVER 30 YEARS

