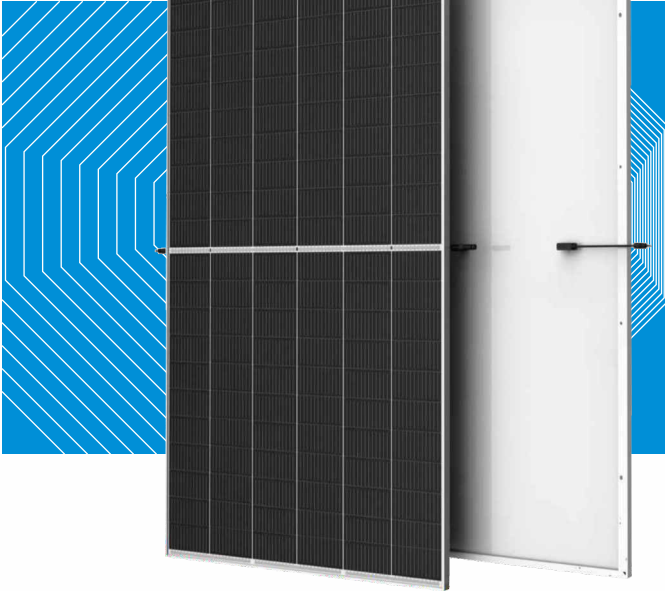


RAYTECH SINGLE-GLASS MODULE

66LAYOUT
MONOCRYSTALLINE MODULES

640-660W
POWER OUTPUT

21.3%
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

- Half-Cell Cutting Technology to Lower the Output Power Losses Brought by Shading;
- Integrates 210 large Silicon Wafers and Multiple-Busbar (MBB) Tech, Higher Power Output;



Higher-Than-Ever ROI

- 1500V System Voltage, Lower BOS Cost;
- Annual Degradation < 0.55%, 25-year Linear Performance Warranty;



Working Condition Compatibility & Safety

- High Resistance to High Temp., High Humidity, Sand, Acid and Alkali Environment;
- 5400Pa Snow Loading, 2400Pa Wind Loading;

CERTIFICATION



CONTACT US

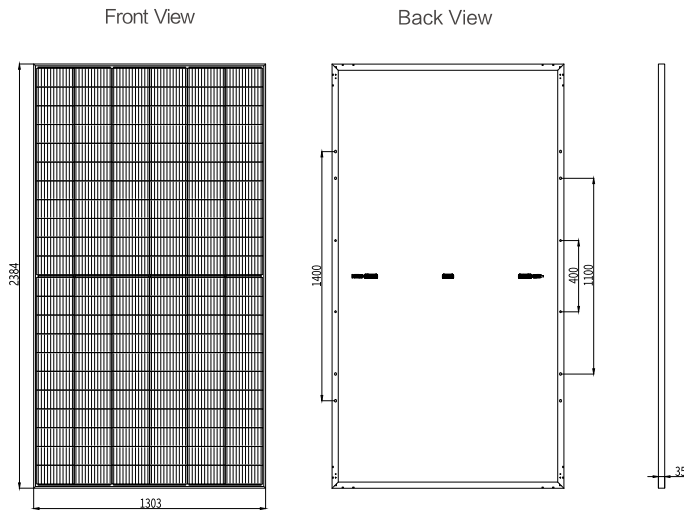
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Tel: +86-400-155-9909
Website: www.raytech-energy.com
Email: sales@raytm.cn



Wechat Public Account

Single-Glass Mono Modules : 640-660W

ENGINEERING DRAWING



MECHANICAL SPECIFICATIONS

Cell Type	Mono crystalline
Solar Cells	132(6*22)
Module Dimension [mm]	2384*1303*35mm
Weight [Kg]	34.0
Front Glass [mm]	3.2 Low iron tempered coated glass
Interlayer	EVA
Backsheet	Composite sheet
Junction Box	Ip67 Rated, by-pass diodes
Connector	Multi-Contact MC4(or equivalent)
Transmittance[%]	0
Maximum Load Capacity [Pa]	2400(wind load)/5400(snow load)

ELECTRICAL CHARACTERISTICS

			SML66H(S)-640	SML66H(S)-645	SML66H(S)-650	SML66H(S)-655	SML66H(S)-660
STC: Air Mass AM1.5, Ir-radiance 1000W/m ² Cell temperature 25°C	Maximum Power at STC [Pmax]	[W]	640	645	650	655	660
	Open Circuit Voltage [Voc]	[V]	44.89	45.09	45.29	45.49	45.69
	Short Circuit Current [Isc]	[A]	18.33	18.37	18.43	18.49	18.52
	Voltage at Maximum Power point[Vm]	[V]	36.99	37.19	37.39	37.59	37.79
	Current at Maximum Power point[Im]	[A]	17.31	17.35	17.39	17.43	17.47
	Power Tolerance	[%]	0~+3%				
	Module Efficiency	[%]	20.6%	20.8%	20.9%	21.1%	21.3%
NMOT: Air Mass AM1.5, Ir-radiance 800W/m ² Ambient temperature 20°C, wind speed 1m/s.	Maximum Power at NMOT [Pmax]	[W]	485	488	492	496	500
	Open Circuit Voltage [Voc]	[V]	42.19	42.39	42.59	42.79	42.99
	Short Circuit Current [Isc]	[A]	14.76	14.78	14.84	14.88	14.93
	Voltage at Maximum Power point[Vm]	[V]	34.49	34.69	34.89	35.09	35.29
	Current at Maximum Power point[Im]	[A]	14.06	14.08	14.11	14.14	14.17
	Power Tolerance	[%]	0~+3%				

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]	43±2
Maximum rated current	[A]	30

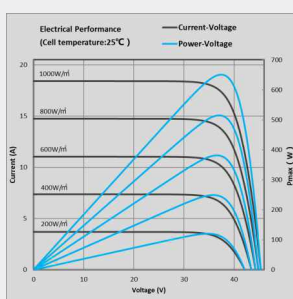
TEMPERATURE COEFFICIENTS

Temperature Coefficient of Pmax	[%/°C]	-0.36
Temperature Coefficient of Voc	[%/°C]	-0.28
Temperature Coefficient of Isc	[%/°C]	0.05

PACKAGE CONFIGURATION

Per box 31 pieces	40 HQ" 558 pieces
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ELECTRICAL CURVES



— I-V Curve
— P-V Curve

LINEAR PERFORMANCE WARRANTY

NO MORE THAN 0.55% ANNUAL DEGRADATION OVER 25 YEARS

