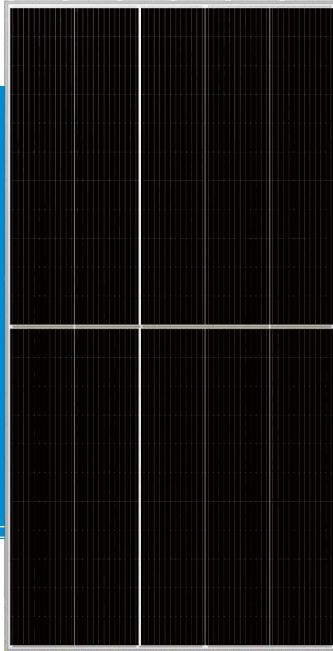
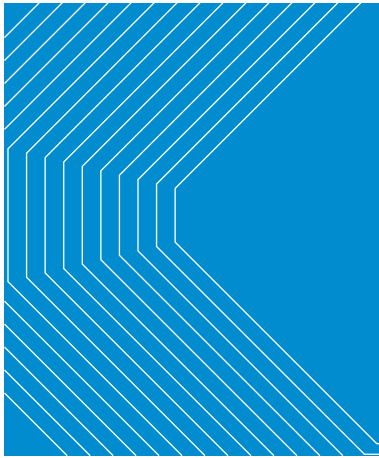


RAYTECH SINGLE-GLASS MODULE



55LAYOUT
MONOCRYSTALLINE MODULES

530-555W
POWER OUTPUT

21.2%
MAX. EFFICIENCY



WHITE
OPAQUE






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. The company's current annual production capacity is 1.2GW and 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 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 < 0.55%, 25-year Linear Performance Warranty;

CERTIFICATION



CONTACT US

Ningbo Raytech New Energy Materials Co.,Ltd
 Address: Huyong Industry Park, 18 Qiyuan Road, Hangzhou Bay New District, Ningbo City, Zhejiang, China
 Tel: +86-400-155-9909
 Website: www.raytech-energy.com
 Email: sales@raytm.cn

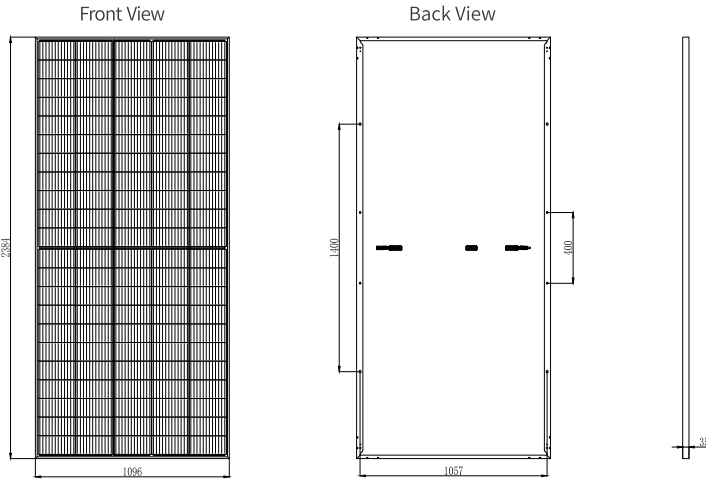


Scan the code to browse our website

Single-Glass Mono Modules : 530-555W

ENGINEERING DRAWING

MECHANICAL SPECIFICATIONS



Cell Type	Mono crystalline
Solar Cells	110(5*22)
Module Dimension [mm]	2384*1096*35mm
Weight [Kg]	29.5
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

		SML55H-530WE	SML55H-535WE	SML55H-540WE	SML55H-545WE	SML55H-550WE	SML55H-555WE
STC: Air Mass AM1.5, Ir-radiance 1000W/m ² Cell temperature 25°C	Maximum Power at STC [Pmax] [W]	530	535	540	545	550	555
	Open Circuit Voltage [Voc] [V]	37.32	37.53	37.75	37.96	38.17	38.36
	Short Circuit Current [Isc] [A]	18.16	18.21	18.26	18.31	18.36	18.40
	Voltage at Maximum Power point[Vm] [V]	31.02	31.22	31.41	31.61	31.82	32.03
	Current at Maximum Power point[Im] [A]	17.09	17.14	17.19	17.24	17.28	17.33
	Power Tolerance	0~+3%					
	Module Efficiency	20.3%	20.5%	20.7%	20.9%	21.0%	21.2%
NMOT: Air Mass AM1.5, Ir-radiance 800W/m ² Ambient temperature 20°C, wind speed 1m/s.	Maximum Power at NMOT [Pmax] [W]	401	404	408	412	416	420
	Open Circuit Voltage [Voc] [V]	35.30	35.50	35.71	35.91	36.11	36.29
	Short Circuit Current [Isc] [A]	14.64	14.68	14.72	14.77	14.81	14.84
	Voltage at Maximum Power point[Vm] [V]	28.97	29.16	29.34	29.52	29.72	29.92
	Current at Maximum Power point[Im] [A]	13.83	13.87	13.91	13.95	13.99	14.02
	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]	45±3
Maximum rated current	[A]	35

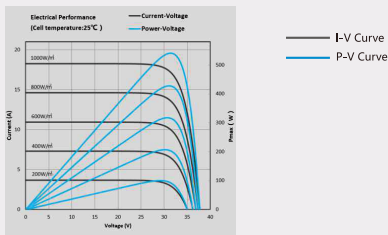
TEMPERATURE COEFFICIENTS

Temperature Coefficient of Pmax	[%/°C]	-0.34
Temperature Coefficient of Voc	[%/°C]	-0.25
Temperature Coefficient of Isc	[%/°C]	0.04

PACKAGE CONFIGURATION

Per box 31 pieces 40" HQ 558 pieces

ELECTRICAL CURVES



LINEAR PERFORMANCE WARRANTY

NO MORE THAN 0.55% ANNUAL DEGRADATION OVER 25 YEARS

