

132 CELL

M10 MBB MONO N-TYPE

0 ~ +5W

POSITIVE POWER TOLERANCE

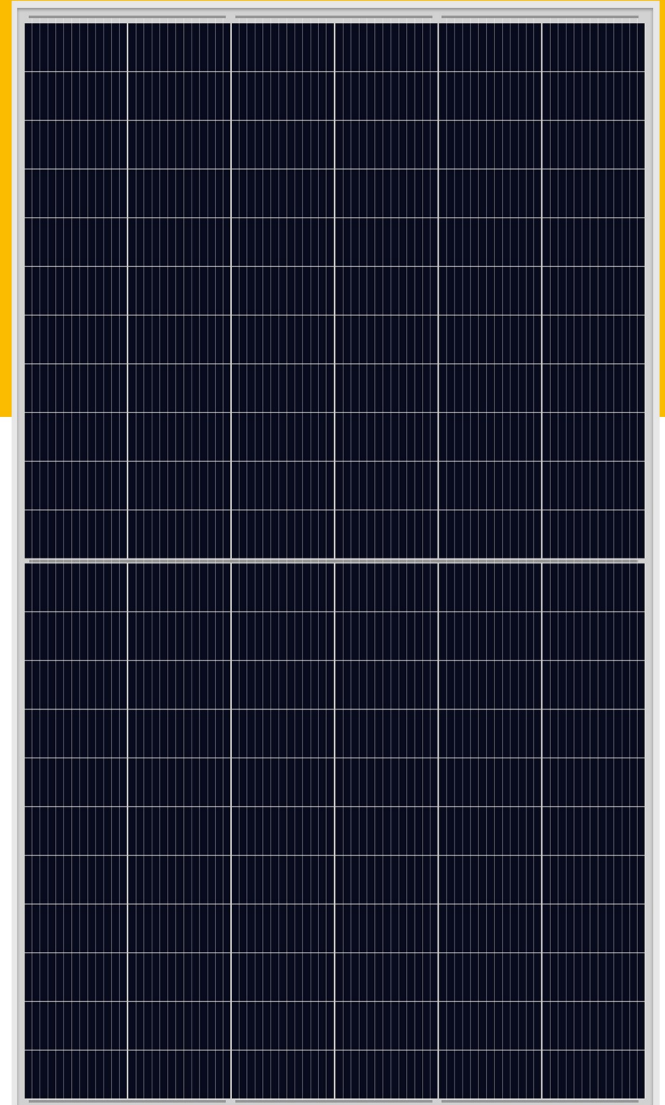
22.5%

MAXIMUM EFFICIENCY

670W-700W

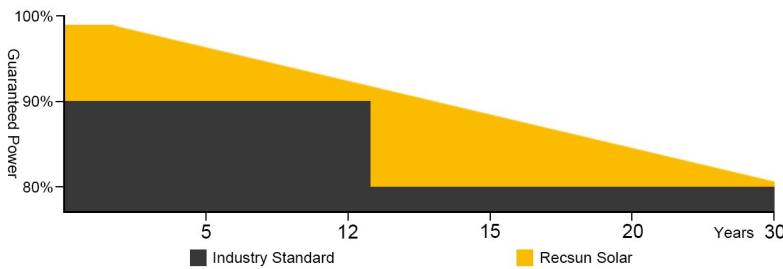
- G12 HALF MONO N-TYPE

- MONOFACIAL / BIFACIAL



LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty · 30 Years Linear Power Warranty



KEY FEATURE

SMBB Technology

Better light trapping and current collection to improve module power output and reliability

PID Resistance

Anti-PID performance guarantee via optimized mass-production process and materials control

Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

Improve Physical Property

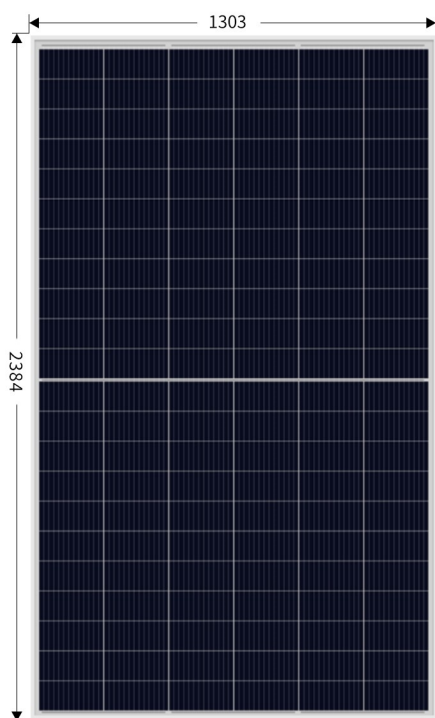
Improve the property of power generating and reliability of the solar system

MODULE PARAMETERS		RS-M670H132G12		RS-M680H132G12		RS-M690H132G12		RS-M700H132G12	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	670	508	680	515	690	522	700	530
Maximum Power Voltage	$V_{MPP}(V)$	38.20	35.60	38.60	36.00	39.00	36.40	39.40	36.80
Maximum Power Current	$I_{MPP}(A)$	17.55	14.26	17.62	14.31	17.70	13.34	17.77	14.40
Open Circuit Voltage	$V_{OC}(V)$	46.10	43.40	46.50	43.80	46.90	44.20	47.40	44.60
Short Circuit Current	$I_{SC}(A)$	18.62	15.01	18.67	15.06	18.72	15.11	18.77	15.16
Power Output Tolerance	(W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	21.60		21.90		22.20		22.50	

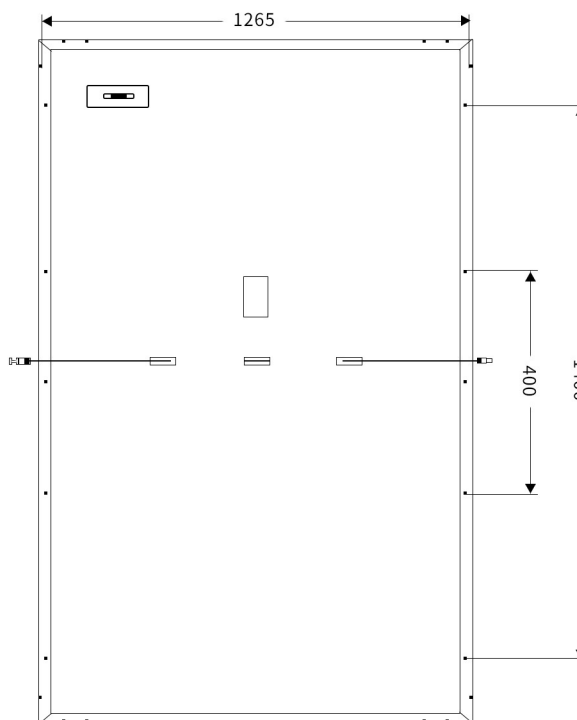
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5, Average efficiency reduction of 4.5% at 200W/m².

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



FRONT VIEW



BACK VIEW

MECHANICAL PARAMETERS		TEMPERATURE RATINGS	
Solar Cells	MBB MONO N-Type 210x105mm	Nominal Operating Cell Temperature(NOCT)	43±2°C
Cell Orientation	132 Cells (6x22)	Temperature Coefficient of P_{MAX}	-0.34%/°C
Module Dimensions	2384 x 1303 x 35mm	Temperature Coefficient of V_{OC}	-0.25%/°C
Weight	33.6Kg	Temperature Coefficient of I_{SC}	+0.04%/°C
Glass	3.2mm (0.13inches),High Transmission,AR Coated Heat Strengthened Glass	OPERATING PARAMETERS	
Backsheet	White / Black	Operational Temperature	-40 ~ +85°C
Frame	35mm Anodized Aluminium Alloy(Black Available)	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	30A
Cables	Photovoltaic Technology Cable 4.0mm ² ,350mm	Mechanical Load	5400Pa
Connector	MC4 Compatible	Wind Load	2400Pa

PACKAGING CONFIGURATION

Per Pallet: 31 Pieces

Per 40' Container: 558 Pieces

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