

**144 CELL**

M6 MBB MONO N-TYPE

**0 ~ +5W**

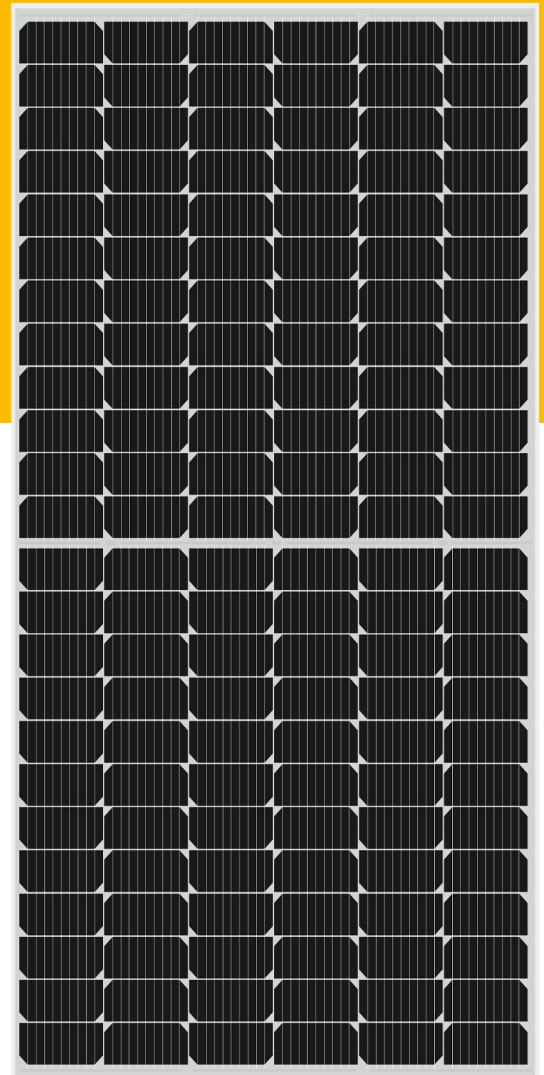
POSITIVE POWER TOLERANCE

**22.1%**

MAXIMUM EFFICIENCY

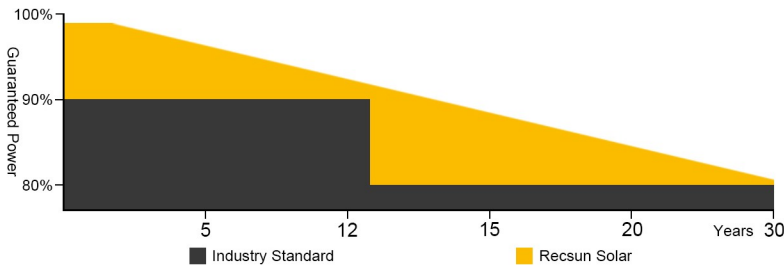
# 460W-480W

- M6 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

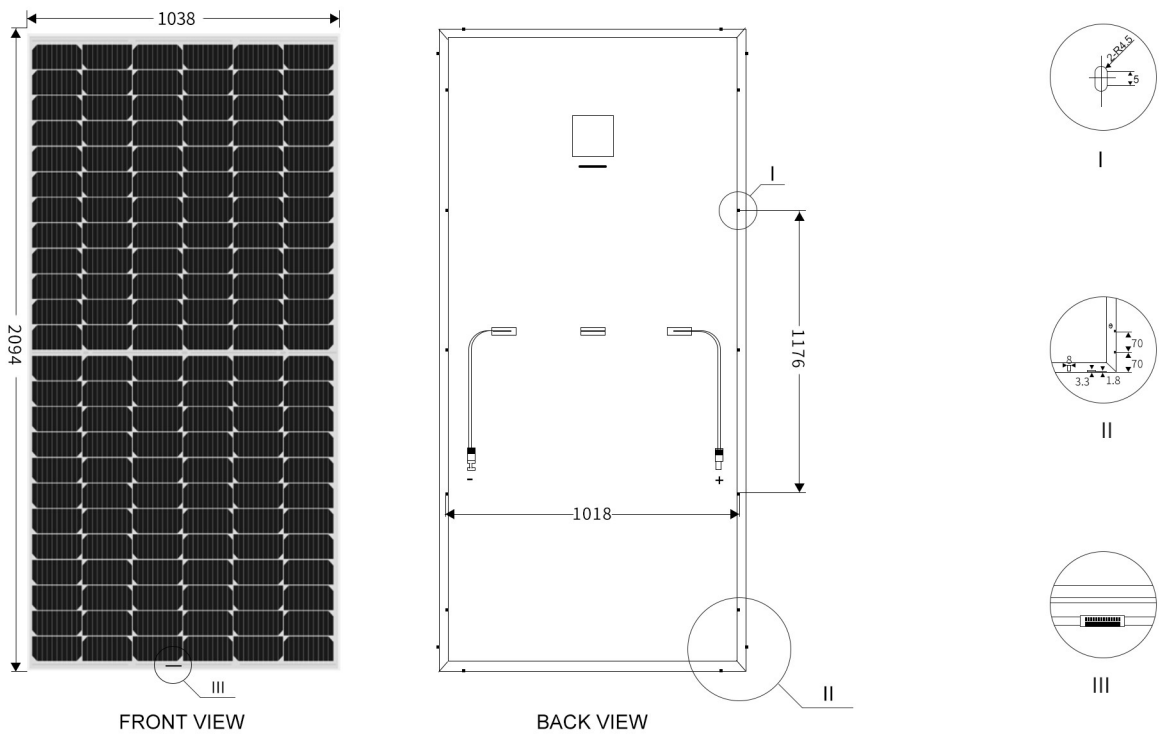
Improve the property of power generating and reliability of the solar system

MODULE PARAMETERS		RS-M460H144M6		RS-M465H144M6		RS-M470H144M6		RS-M475H144M6		RS-M480H144M6	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	460	340.4	465	344.1	470	347.8	475	351.5	480	355.2
Maximum Power Voltage	$V_{MPP}(V)$	41.59	38.39	41.79	38.57	41.99	38.76	42.19	38.94	42.39	39.12
Maximum Power Current	$I_{MPP}(A)$	11.06	8.86	11.13	8.92	11.19	8.97	11.26	9.03	11.32	9.07
Open Circuit Voltage	$V_{OC}(V)$	50.32	46.80	50.57	47.03	50.81	47.25	51.04	47.47	51.29	47.70
Short Circuit Current	$I_{SC}(A)$	11.67	9.35	11.74	9.41	11.81	9.46	11.88	9.53	11.94	9.57
Power Output Tolerance	(W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	21.2		21.4		21.6		21.9		22.1	

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5, Average efficiency reduction of 4.5% at 200W/m<sup>2</sup>.

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### DIMENSIONS OF PV MODULE



### MECHANICAL PARAMETERS

Solar Cells	MBB MONO N-Type 166x83mm
Cell Orientation	144 Cells (6 x 24)
Module Dimensions	2094 x 1038 x 35mm
Weight	23.5Kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White / Black
Frame	Silver Anodized Aluminium Alloy (Black Available)
Junction Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> , 350mm
Connector	MC4 Compatible

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of $P_{MAX}$	-0.36%/°C
Temperature Coefficient of $V_{OC}$	-0.28%/°C
Temperature Coefficient of $I_{SC}$	+0.048%/°C

### OPERATING PARAMETERS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	20A
Mechanical Load	5400Pa
Wind Load	2400Pa

### PACKAGING CONFIGURATION

Per Pallet: 31 Pieces

Per 40' Container: 726 pieces

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