

**132 CELL**

M10 MBB MONO PERC

**0 ~ +5W**

POSITIVE POWER TOLERANCE

**21.48%**

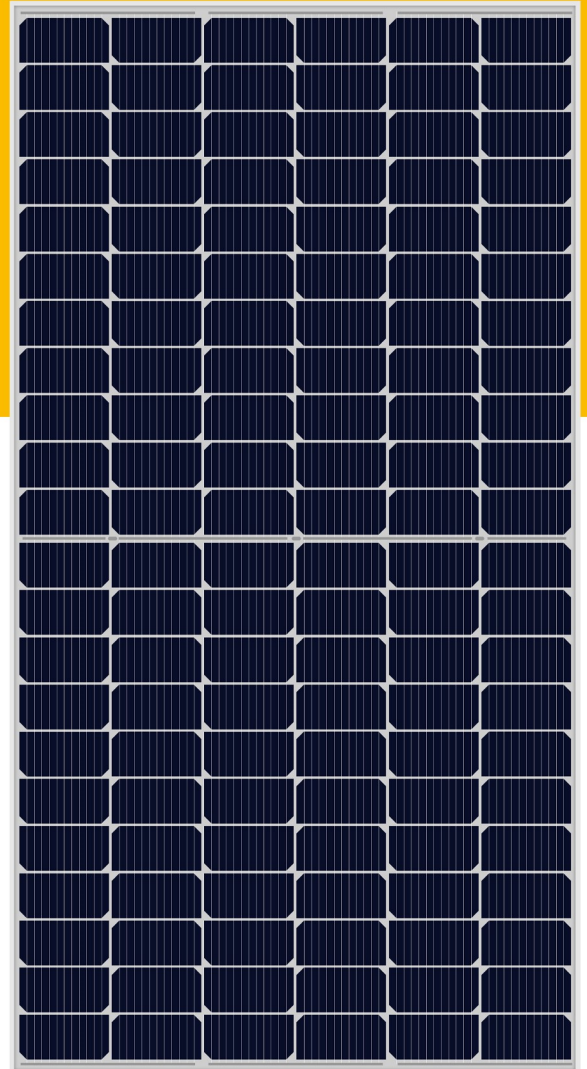
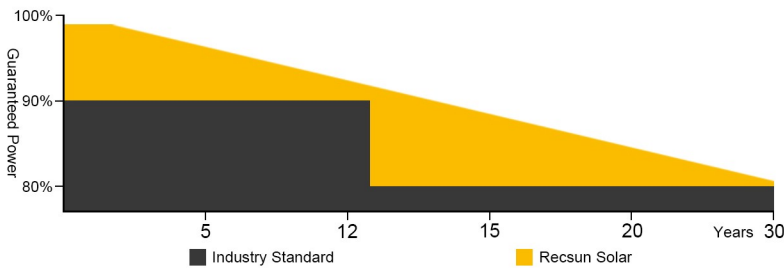
MAXIMUM EFFICIENCY

# 490W-510W

- M10 HALF MONO PERC
- 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

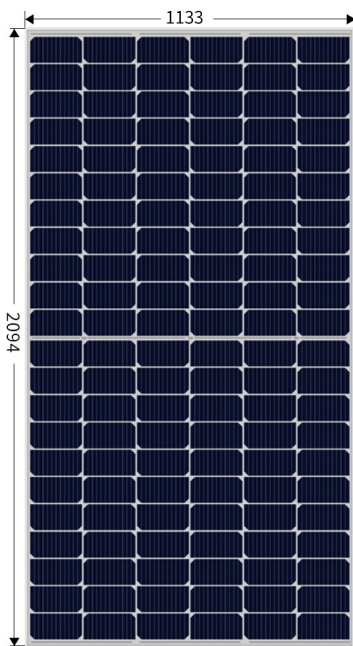
Improve the property of power generating and reliability of the solar system

MODULE PARAMETERS		RS-M490H132M10		RS-M495H132M10		RS-M500H132M10		RS-M505H132M10		RS-M510H132M10	
Test Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	490	371	495	375	500	378	505	382	510	386
Maximum Power Voltage	$V_{MPP}(V)$	37.22	34.73	37.30	34.90	37.40	35.07	37.50	35.24	37.60	35.41
Maximum Power Current	$I_{MPP}(A)$	13.17	10.68	13.27	10.74	13.37	10.78	13.47	10.84	13.57	10.90
Open Circuit Voltage	$V_{oc}(V)$	45.02	42.71	45.28	42.79	45.38	42.89	45.48	42.99	45.58	43.09
Short Circuit Current	$I_{sc}(A)$	13.85	11.33	13.92	11.38	13.99	11.43	14.06	11.48	14.13	11.53
Power Output Tolerance	(W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	20.64		20.85		21.06		21.27		21.48	

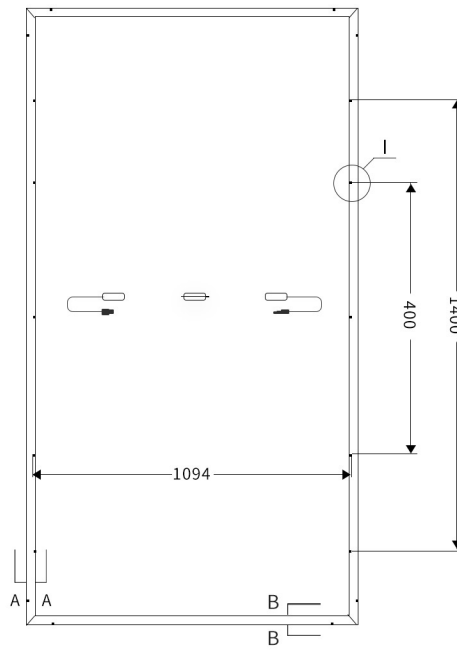
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5, Average efficiency reduction of 4.5% at 200W/m<sup>2</sup>.

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

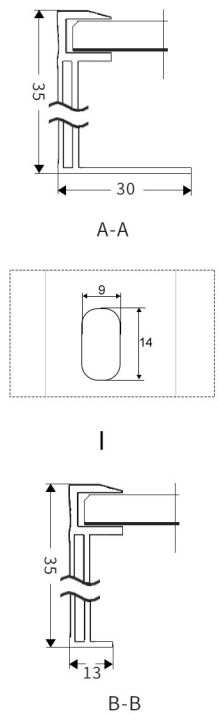
### DIMENSIONS OF PV MODULE



FRONT VIEW



BACK VIEW



MECHANICAL PARAMETERS		TEMPERATURE RATINGS	
Solar Cells	MBB MONO PERC 182x91mm	Nominal Operating Cell Temperature(NOCT)	45±2°C
Cell Orientation	132 Cells (6 x 22)	Temperature Coefficient of $P_{MAX}$	-0.35%/°C
Module Dimensions	2094 x 1133 x 35mm	Temperature Coefficient of $V_{oc}$	-0.28%/°C
Weight	26.0Kg	Temperature Coefficient of $I_{sc}$	+0.048%/°C
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	<b>OPERATING PARAMETERS</b>	
Backsheet	White / Black	Operational Temperature	-40 ~ +85°C
Frame	Silver Anodized Aluminium Alloy (Black Available)	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	25A
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> , 350mm	Mechanical Load	5400Pa
Connector	MC4 Compatible	Wind Load	2400Pa

**PACKAGING CONFIGURATION**

Per Pallet: 31 Pieces

Per 40' Container: 682 Pieces

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