

**144 CELL**

M10 MBB MONO PERC

**0 ~ +5W**

POSITIVE POWER TOLERANCE

**21.7%**

MAXIMUM EFFICIENCY

# 540W-560W

## M10 HALF CELL MONO

### CHARACTERISTIC

#### Higher output of power

Effectively reduce the unit cost of PV solar system by watt

#### Enhance the physical property

Optimize the property of power generating and reliability of the system

#### Reduce the shadow loss on the power output

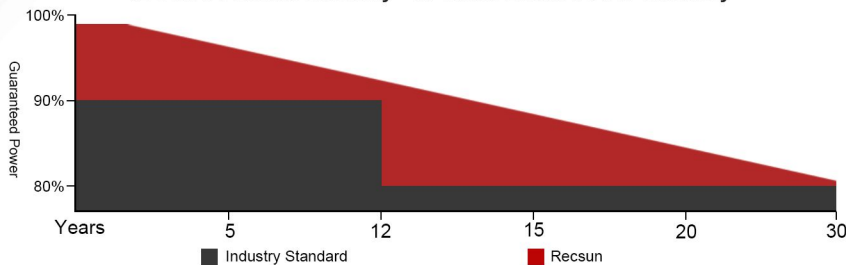
Effectively reduce the risk of heat spot on high efficiency

#### Optimize the temperature coefficient

Improve the performance under the condition of shadow and low temperature coefficient

### LINEAR PERFORMANCE WARRANTY

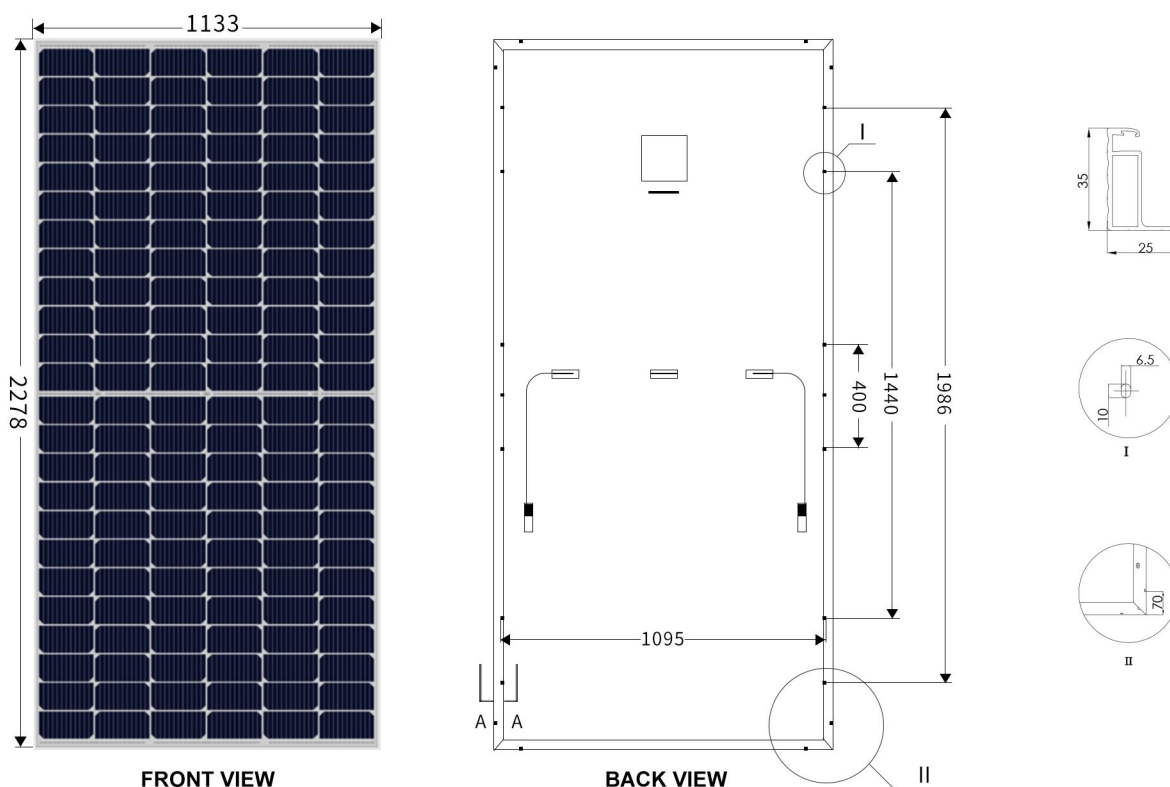
12 Years Product Warranty · 30 Years Linear Power Warranty



MODULE PARAMETERS		RS-M540H144M10		RS-M545H144M10		RS-M550H144M10		RS-M555H144M10		RS-M560H144M10	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	540	401.88	545	405.61	550	409.33	555	413.05	560	416.77
Maximum Power Voltage	$V_{MPP}(V)$	40.73	37.89	40.86	38.02	40.99	38.14	41.12	38.26	41.25	38.38
Maximum Power Current	$I_{MPP}(A)$	13.26	10.60	13.34	10.67	13.42	10.73	13.58	10.79	13.58	10.85
Open Circuit Voltage	$V_{oc}(V)$	49.34	46.58	49.50	46.73	49.65	46.87	49.95	47.01	49.95	47.15
Short Circuit Current	$I_{sc}(A)$	13.96	11.27	14.04	11.34	14.13	11.41	14.31	11.48	14.31	11.55
Power Output Tolerance	(W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	20.9		21.1		21.3		21.5		21.7	

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## DIMENSIONS OF PV MODULE



MECHANICAL PARAMETERS		TEMPERATURE RATINGS	
Solar Cells	MBB Mono PERC 182 x 91mm	Nominal Operating Cell Temperature(NOCT)	45±2°C
Cell Orientation	144 Cells (6 x 24)	Temperature Coefficient of $P_{MAX}$	-0.348%/°C
Module Dimensions	2278 x 1133 x 35mm	Temperature Coefficient of $V_{oc}$	-0.282%/°C
Weight	28kg	Temperature Coefficient of $I_{sc}$	+0.05%/°C
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm	OPERATING PARAMETERS	
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
<b>PACKAGING CONFIGURATION</b>	Per Pallet: 31 Pieces	Per 40' Container: 620 Pieces	

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