

120 CELL

M10 MBB MONO N-TYPE

0 ~ +5W

POSITIVE POWER TOLERANCE

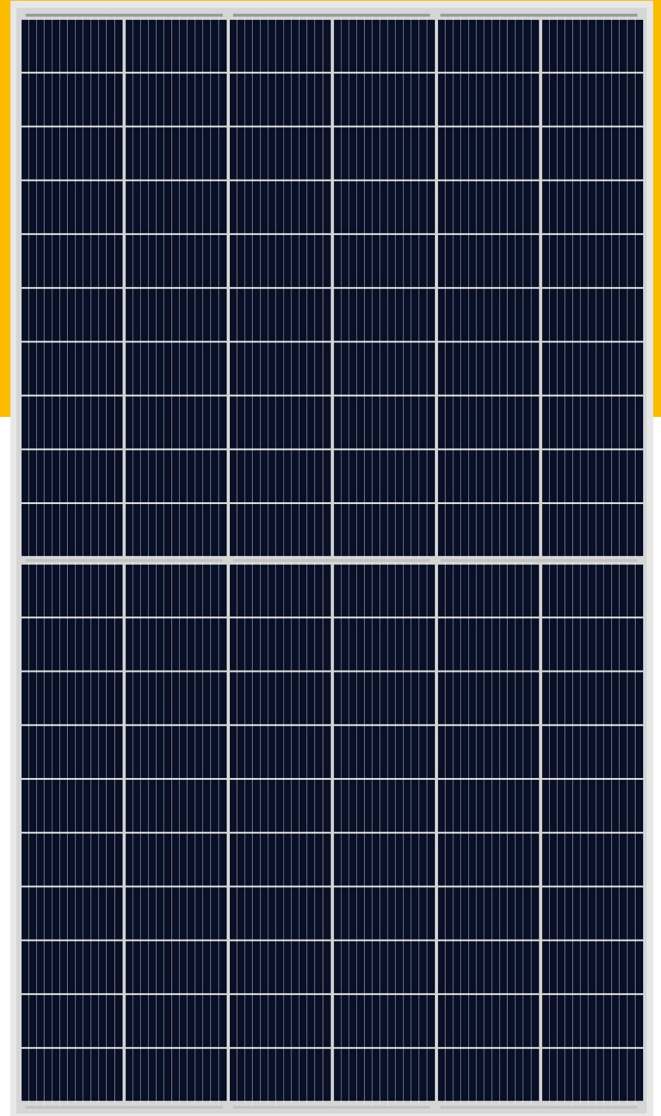
21.4%

MAXIMUM EFFICIENCY

595W-605W

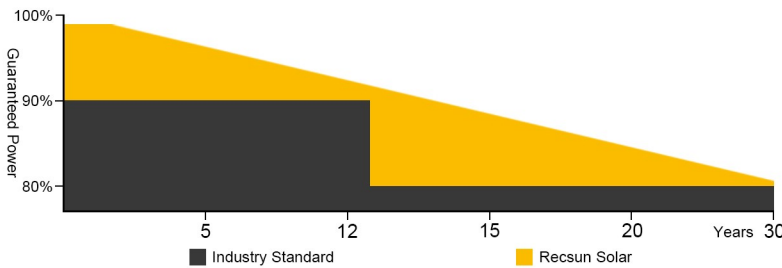
- G12 HALF MONO N-TYPE

- 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)

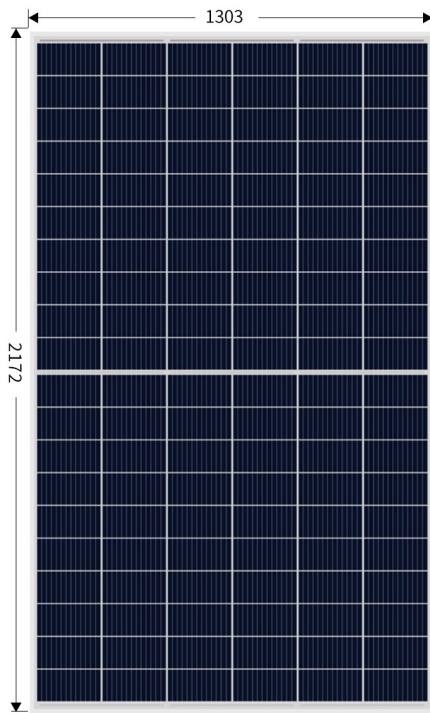
Improve Physical Property

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

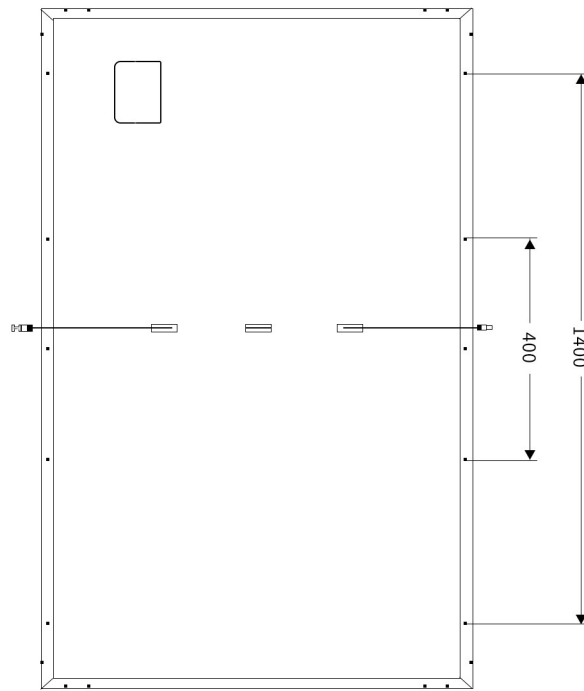
MODULE PARAMETERS		RS-M595H120G12		RS-M600H120G12		RS-M605H120G12	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	595	451	600	454	605	458
Maximum Power Voltage	$V_{MPP}(V)$	34.20	31.90	34.40	32.00	34.60	32.20
Maximum Power Current	$I_{MPP}(A)$	17.40	14.13	17.44	14.18	17.49	14.22
Open Circuit Voltage	$V_{oc}(V)$	41.30	38.90	41.50	39.10	41.70	39.30
Short Circuit Current	$I_{sc}(A)$	18.47	14.88	18.52	14.92	18.57	14.96
Power Output Tolerance	(W)	0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	21.0		21.2		21.4	

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	120 Cells (6 x 20)	Temperature Coefficient of P_{MAX}	-0.34%/°C
Module Dimensions	2172 x 1303 x 35mm	Temperature Coefficient of V_{oc}	-0.25%/°C
Weight	30.9Kg	Temperature Coefficient of I_{sc}	+0.04%/°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	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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