

120 CELL

M6 MBB MONO PERC

0 ~ +5W

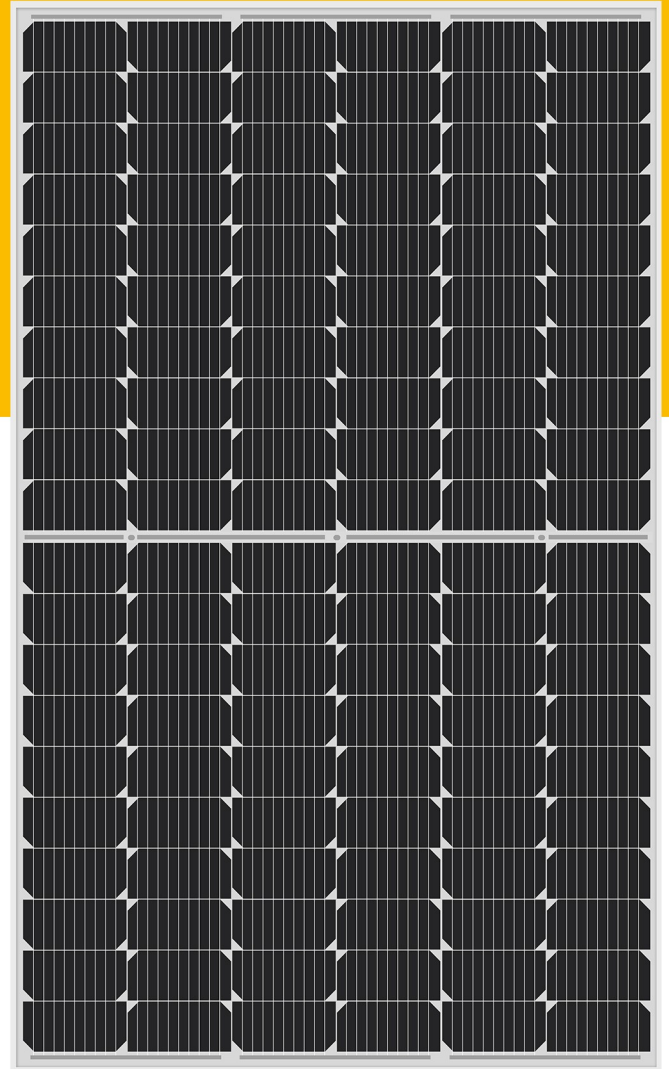
POSITIVE POWER TOLERANCE

21.1%

MAXIMUM EFFICIENCY

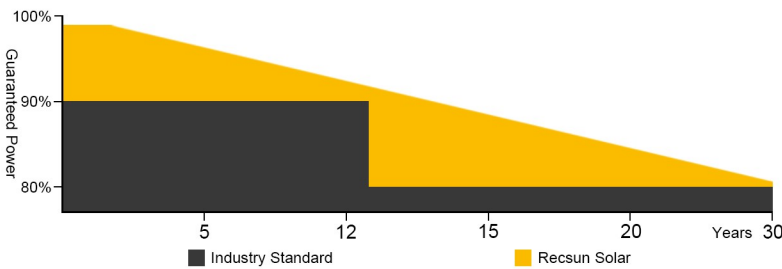
360W-385W

- M6 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)

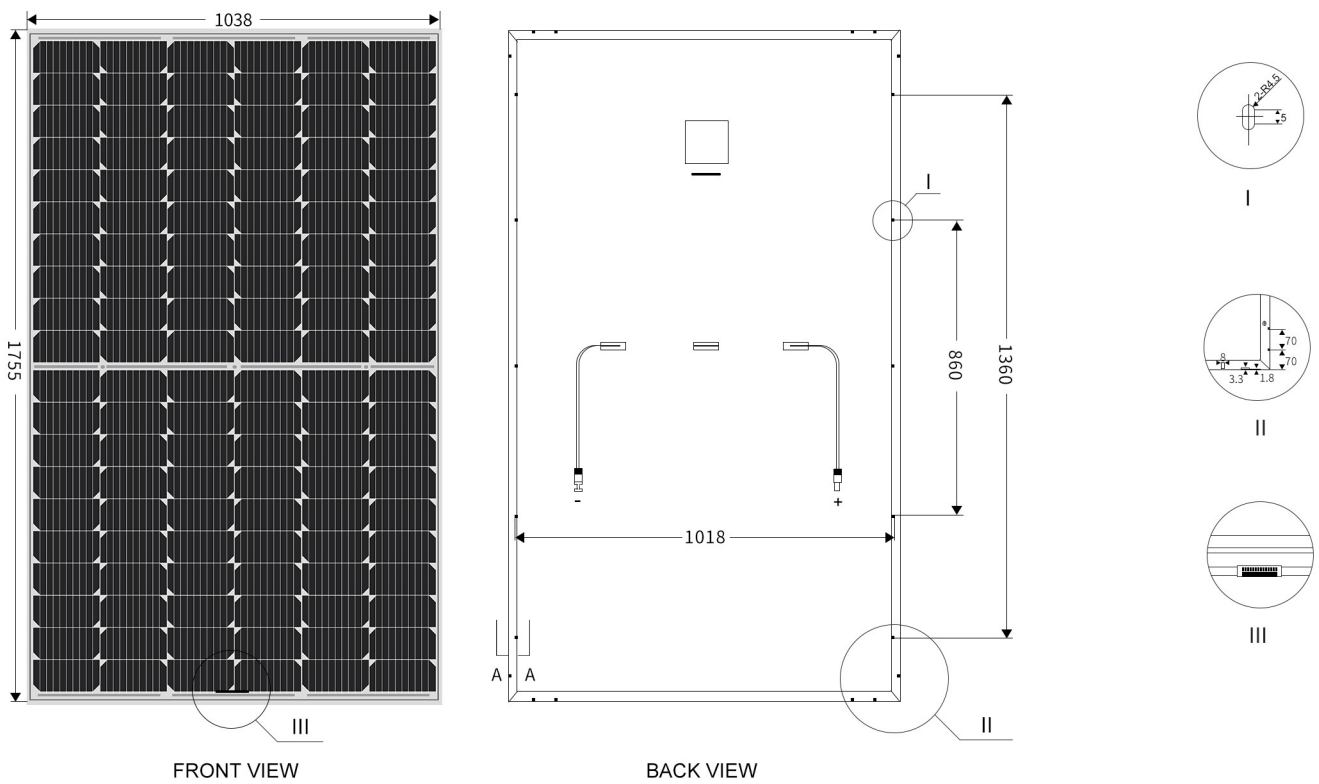
Improve Physical Property

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

MODULE PARAMETERS		RS-M360H120M6		RS-M365H120M6		RS-M370H120M6		RS-M375H120M6		RS-M380H120M6		RS-M385H120M6	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	360	266.59	365	270.29	370	273.99	375	277.69	380	281.39	385	285.10
Maximum Power Voltage	$V_{MPP}(V)$	33.69	31.08	33.89	31.28	34.09	31.48	34.29	31.66	34.49	31.86	34.69	32.06
Maximum Power Current	$I_{MPP}(A)$	10.69	8.55	10.78	8.62	10.86	8.69	10.94	8.75	11.02	8.83	11.10	8.89
Open Circuit Voltage	$V_{oc}(V)$	40.92	38.18	41.12	38.38	41.32	38.48	41.56	38.57	41.76	38.67	41.96	38.77
Short Circuit Current	$I_{sc}(A)$	11.22	9.01	11.30	9.07	11.39	9.15	11.46	9.21	11.53	9.27	11.67	9.33
Power Output Tolerance	(%)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Module Efficiency	(%)	19.8		20.0		20.3		20.6		20.9		21.1	

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



MECHANICAL PARAMETERS

Solar Cells	MBB MONO PERC 166x83mm
Cell Orientation	120 Cells (6 x 20)
Module Dimensions	1755 x 1038 x 35mm
Weight	20Kg
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 ² , 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: 858 Pieces

© Recsun Solar Energy Co., Ltd All rights reserved. Specifications included in this datasheet are subject to change without notice.