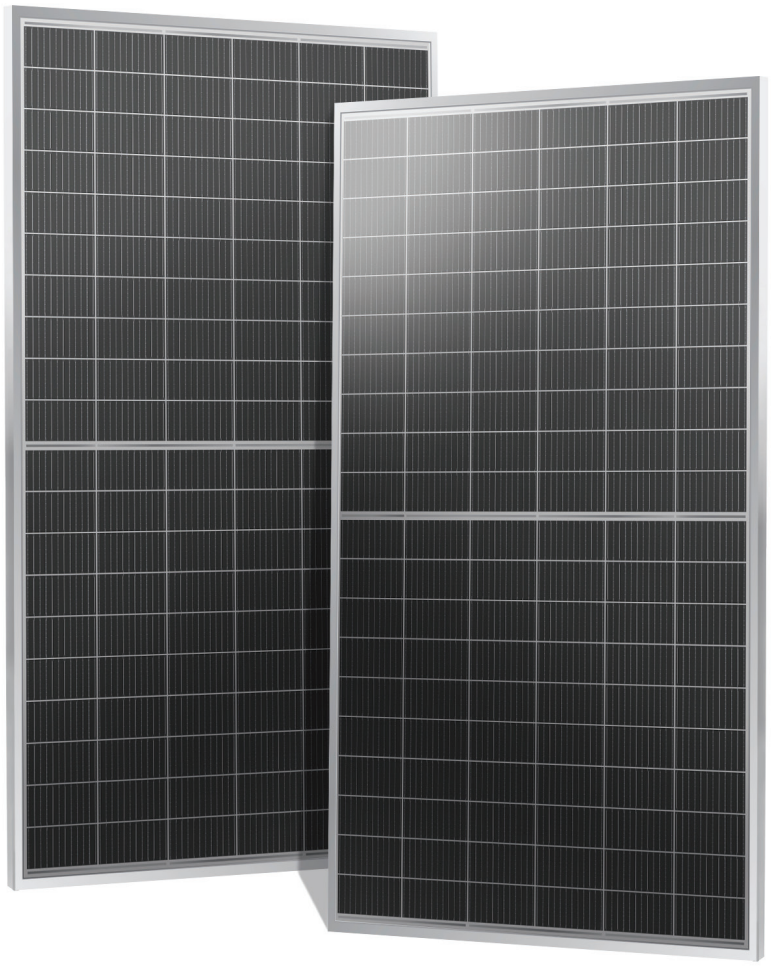
ReNew

G12 CELLS MODULE

RPS1MH60MBXXX

MONOFACIAL WHITE
585-610 W



25 YEARS
POWER WARRANTY

Comprehensive Products and System Certifications

IS 14286:2010
IS/IEC 61730 (PART 1): 2004 & IS/IEC 61730 (PART 2): 2004
R-84003778

TÜVRheinland CERTIFIED
IEC 61215
IEC 61730
Regular Production Surveillance
www.tuv.com
ID 1111271001

TÜVRheinland
C US

Advanced technologies
Multi-bus bar / PERC / Ga Doped / Half cut/ G12 cell / smart soldering.

SMART EFFICIENCY

Heavy snow, hail, wind-load resistant
Enhanced mechanical load up to 5400 Pascals of snow load and up to 2400 Pascals of wind load.

2400Pa
5400Pa

Reliable modules with longer lifespan
Hotspot resistant, micro cracking resistant, 0.55% Linear degradation over 25 years, less damage due to weather stress.

DURABLE

Excellent low light performance
More power output in weak light conditions (early morning/sunset/cloudy). Suitable for large scale utility and ground mount projects.

WEAK LIGHT

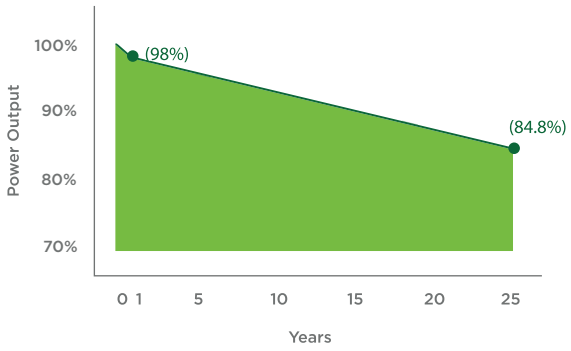
610W	21.49%	0~+5W
MAXIMUM POWER OUTPUT	MAXIMUM EFFICIENCY	POSITIVE POWER TOLERANCE

2% FIRST YEAR POWER DEGRADATION

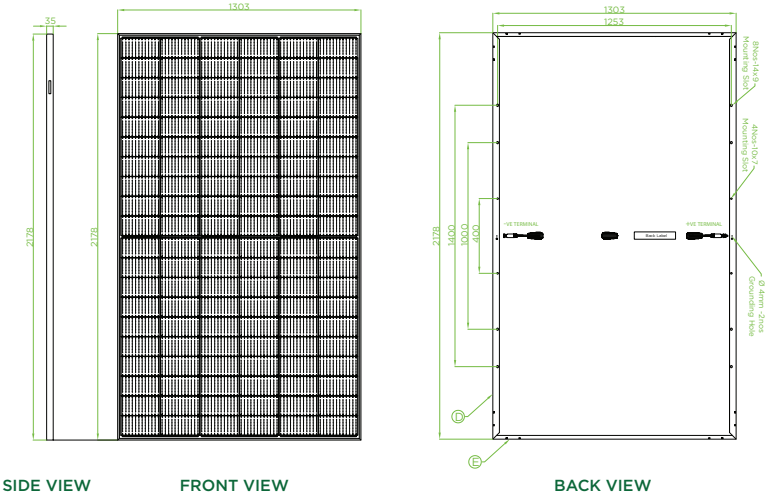
0.55 % SUBSEQUENT ANNUAL POWER DEGRADATION

GUARANTEED POWER

25-year power warranty



* please refer Renew Limited Warranty for details



ELECTRICAL DATA

Electrical Data (STC)

Peak Power-PMAX (WP)*	585	590	595	600	605	610
Power Tolerance - PMAX (W)	0 ~ +5					
Max Power Voltage - VMPP (V)	33.82	34.05	34.23	34.41	34.57	34.78
Max Power Current - IMPP (A)	17.30	17.33	17.39	17.44	17.50	17.54
Open Circuit Voltage - VOC (V)	41.00	41.20	41.40	41.60	41.80	41.95
Short Circuit Current - ISC (A)	18.26	18.29	18.32	18.34	18.37	18.41
Module Efficiency - η_m (%)	20.61	20.79	20.97	21.14	21.32	21.49

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.

Electrical Data (NOCT)

Maximum Power - PMAX (WP)	441	444	448	452	456	459
Maximum Power Voltage-VMPP (V)	31.60	31.82	31.98	32.15	32.30	32.50
Maximum Power Current-IMPP (A)	13.94	13.97	14.01	14.05	14.10	14.14
Open Circuit Voltage - VOC (V)	38.45	38.64	38.82	39.01	39.20	39.34
Short Circuit Current-ISC (A)	14.74	14.76	14.78	14.80	14.82	14.86

MECHANICAL DATA

Solar Cells	Bifacial Mono PERC
No. of cells	120 Half cut
Module Dimensions	2178 × 1303 × 35 mm
Weight	31 kg
Front Glass	3.2mm, High Transmission, AR coated Tempered glass
Encapsulant	EVA/ POE
Rear Cover	Three layered Composite film
Frame	35mm, Anodized Aluminum
Junction Box	IP68 / IP67
Cable^	4.0 mm², Cable length 300mm (Positive and Negative)
Connector*	MC4 compatible

*** Please connect sales team for final connector details.**
^ Cable length can be customised.

Temperature rating

NOCT	43°C ±2°C
Temperature Coefficient of PMAX	- 0.33%/°C
Temperature Coefficient of VOC	- 0.25%/°C
Temperature Coefficient of ISC	0.06%/°C
Max Series Fuse rating	30A

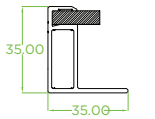
WARRANTY

12-year Product Workmanship Warranty
25-year Power Warranty
2% first year degradation
0.55% Annual Power Attenuation

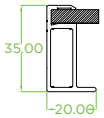
PACKING CONFIGURATION

Modules per box: 31 pieces
Modules per 40' HC container: 558 pieces

Document Number: RP/SS/G12/120M/R/001

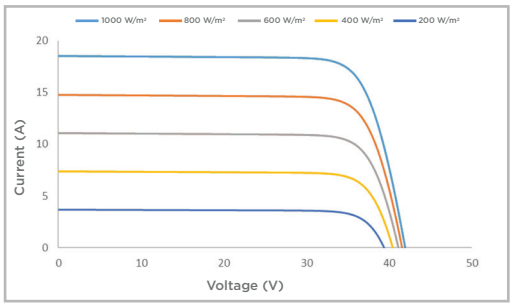


FRAME DETAILS (D)

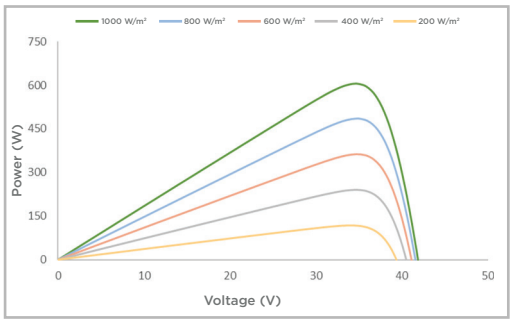


FRAME DETAILS (E)

IV Curve



PV Curve



CAUTION:
READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Specifications included in this datasheet are subject to change without notice.

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