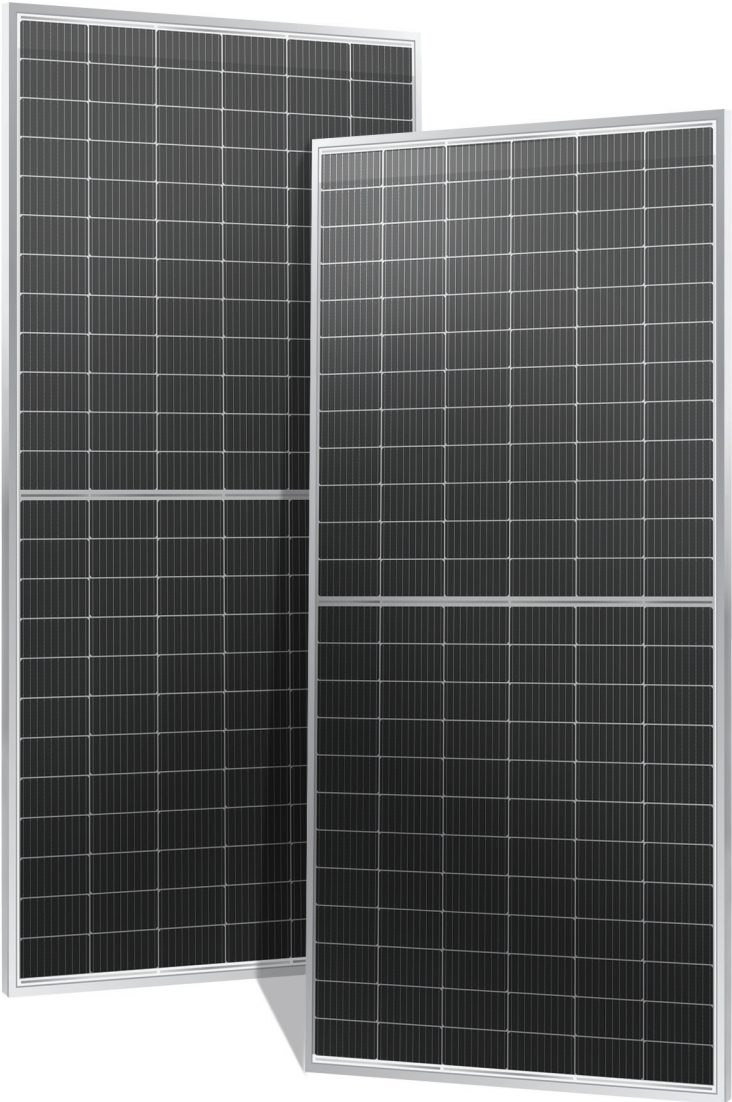


M10 CELLS MODULE

RPS2MH72MBXXX

MONOFACIAL WHITE
525-550 W



Comprehensive Products and System Certifications



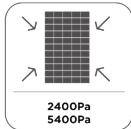
Advanced technologies

Multi-bus bar / PERC / Ga Doped / Half cut/
M10 cell / smart soldering.



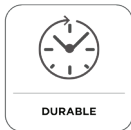
Heavy snow, hail, wind-load resistant

Enhanced mechanical load up to 5400 Pascals of snow load
and up to 2400 Pascals of wind load.



Reliable modules with longer lifespan

Hotspot resistant, micro cracking resistant, 0.55% Linear degradation over
25 years, less damage due to weather stress.



Excellent low light performance

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



550W
MAXIMUM POWER OUTPUT

21.29%
MAXIMUM EFFICIENCY

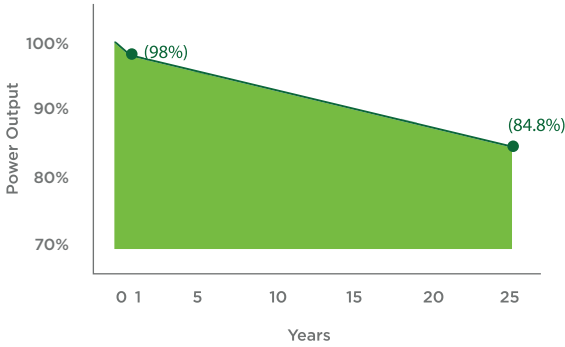
0~+5W
POSITIVE POWER TOLERANCE

2% FIRST YEAR POWER DEGRADATION

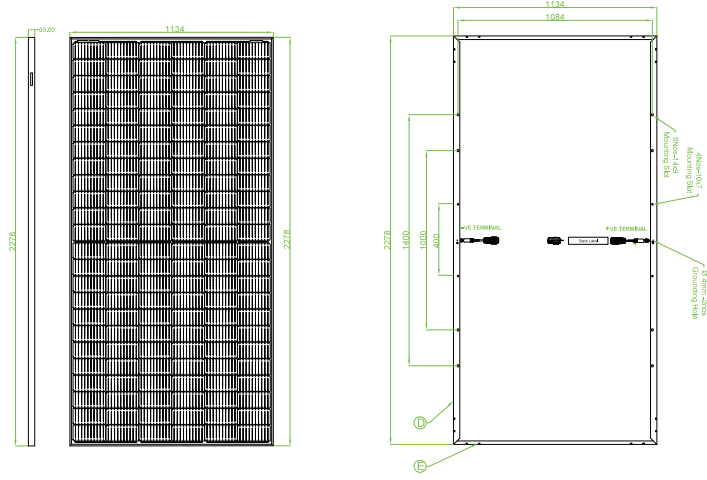
0.55% SUBSEQUENT ANNUAL POWER DEGRADATION

GUARANTEED POWER

25-year power warranty



* please refer Renew Limited Warranty for details



SIDE VIEW

FRONT VIEW

BACK VIEW

ELECTRICAL DATA

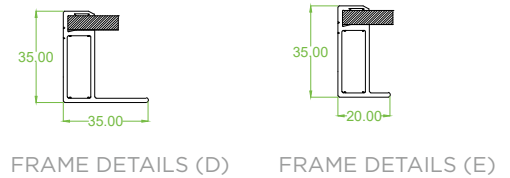
Electrical Data (STC)

Peak Power- P_{MAX} (Wp)*	525	530	535	540	545	550
Power Tolerance - P_{MAX} (W)	0 - +5					
Max Power Voltage - V_{MPP} (V)	40.37	40.53	40.61	40.66	40.79	40.90
Max Power Current - I_{MPP} (A)	13.01	13.08	13.18	13.29	13.37	13.45
Open Circuit Voltage - V_{OC} (V)	49.41	49.48	49.55	49.68	49.71	49.74
Short Circuit Current - I_{SC} (A)	13.63	13.71	13.79	13.85	13.94	14.03
Module Efficiency - η_m (%)	20.32	20.52	20.71	20.90	21.10	21.29

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

Electrical Data (NOCT)

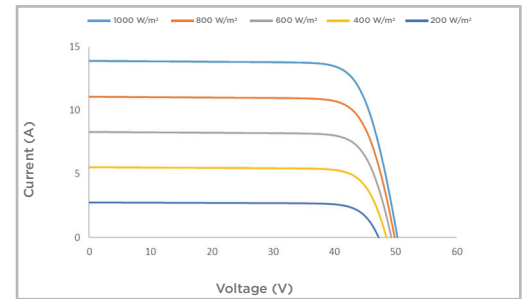
Maximum Power - P_{MAX} (Wp)	394	397	401	406	409	414
Maximum Power Voltage- V_{MPP} (V)	38.10	38.20	38.30	38.50	38.50	38.50
Maximum Power Current- I_{MPP} (A)	10.34	10.41	10.49	10.56	10.63	10.75
Open Circuit Voltage - V_{OC} (V)	46.30	46.40	46.40	46.60	46.60	46.50
Short Circuit Current- I_{SC} (A)	11.00	11.07	11.13	11.18	11.25	11.36



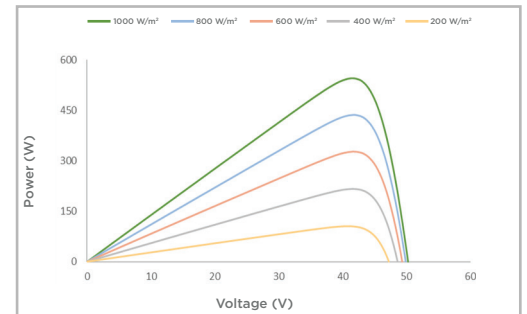
FRAME DETAILS (D)

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.

MECHANICAL DATA

Solar Cells	Bifacial Mono PERC
No. of cells	144 Half cut
Module Dimensions	2278 × 1134 × 35 mm
Weight	28.5 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 mm ² , Cable length 300mm (Positive and Negative)
Connector [*]	MC4/ 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 P_{MAX}	- 0.33%/°C
Temperature Coefficient of V_{OC}	- 0.25%/°C
Temperature Coefficient of I_{SC}	0.06%/°C
Max Series Fuse rating	25A

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: 620 pieces

Document Number: RP/SS/M10/144M/R/001



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