



M10R CELLS MONO PERC MODULE

RPS2MH72BDXXX

BIFACIAL
530-560 W



POWER
WARRANTY



BIFACIALITY
FACTOR

ALMM
APPROVED

Comprehensive System and Product Certifications

ISO 9001:2015: Quality Management system

ISO 14001:2015: Environment Management system

ISO 45001:2018: Occupational health and safety



Advanced technologies

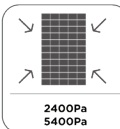
Multi-bus bar / PERC / Ga Doped / Half cut/
M10R cell / smart soldering.



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.



Reliable modules with longer lifespan

Hotspot resistant, micro cracking resistant, 0.45% Linear degradation over
30 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

560W

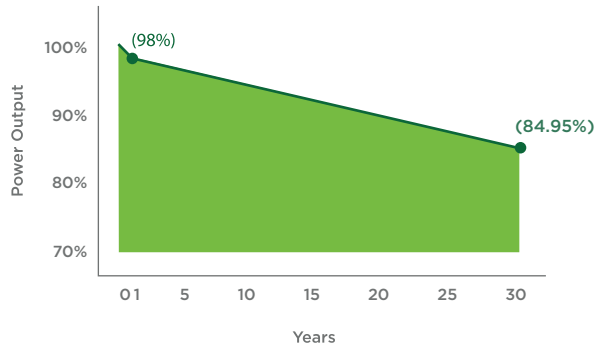
MAXIMUM POWER OUTPUT

21.68%

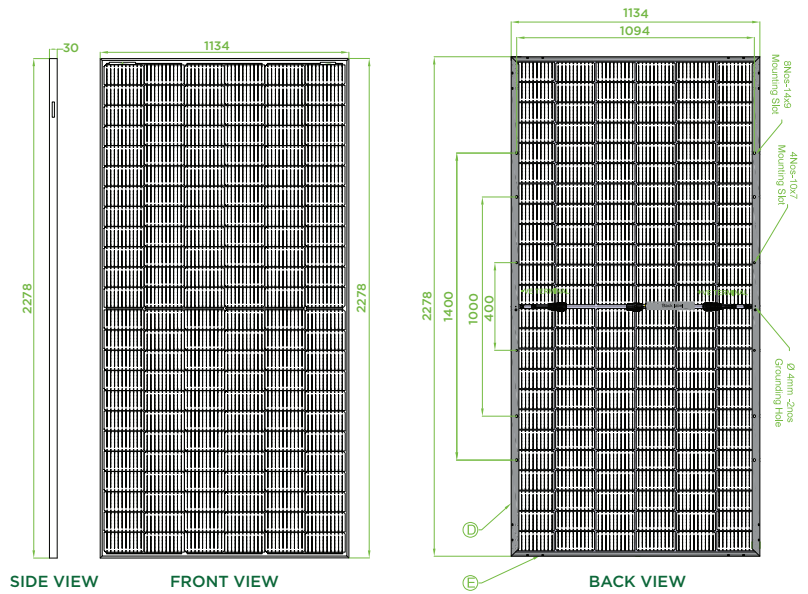
MAXIMUM EFFICIENCY

0~+4.99W

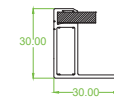
POSITIVE POWER TOLERANCE

2%**FIRST YEAR POWER DEGRADATION****0.45 %****SUBSEQUENT ANNUAL POWER DEGRADATION****GUARANTEED POWER****30-year power warranty**

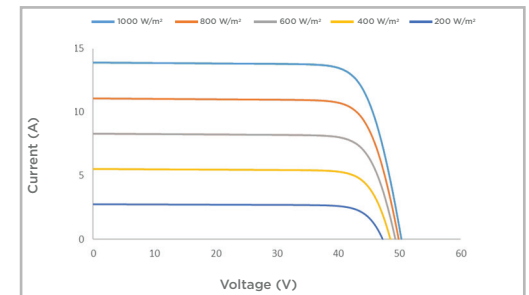
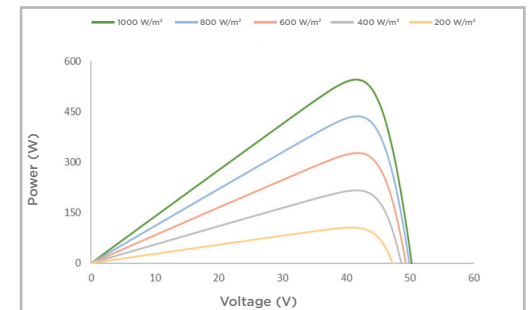
* Please refer to the Warranty Document for details.

**ELECTRICAL DATA****Electrical Data (STC)**

Peak Power - P_{MAX} (Wp)*	530	535	540	545	550	555	560
Power Tolerance - P_{MAX} (W)	0~ +4.99						
Max Power Voltage - V_{MPP} (V)	40.31	40.65	40.98	41.31	41.63	41.96	42.27
Max Power Current - I_{MPP} (A)	13.16	13.17	13.19	13.20	13.22	13.23	13.25
Open Circuit Voltage - V_{OC} (V)	49.83	49.88	49.94	49.99	50.04	50.11	50.15
Short Circuit Current - I_{SC} (A)	13.83	13.85	13.87	13.89	13.91	13.94	13.95
Module Efficiency - η_m (%)	20.52	20.71	20.90	21.10	21.29	21.48	21.68

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

All dimensions are in mm

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 × 30 mm
Weight	32.5 kg
Front Glass	2mm, High Transmission glass
Encapsulant	EVA/EPE
Rear Cover	2mm, High Transmission glass
Frame	30mm, Anodized Aluminum
Junction Box	IP68 / IP67
Bifacility	70±10%
Cable^	4.0 mm², Cable length 400mm (Positive and Negative)
Connector*	PV-CO02-xy

*Please connect with the sales team for final connector details.

^ Cable length can be customised.

Temperature rating

NOCT	43°C ±2°C
Temperature Coefficient of P_{MAX}	- 0.32%/°C
Temperature Coefficient of V_{OC}	- 0.25%/°C
Temperature Coefficient of I_{SC}	0.06%/°C
Max Series Fuse rating	30A

WARRANTY

12-year Product Workmanship Warranty
30-year Power Warranty
2% first year degradation
0.45% Annual Power Attenuation

PACKING CONFIGURATION

Modules per box: 36 pieces
Modules per 40' HC container: 720 pieces

Document Number: RP/SS/M10R/144/R/001

Contact pv.marketing@renew.comReNew.Hub,
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DLF City Phase-V, Gurugram -122009For any inquiries or queries about ReNew solar panels, call **9220 440 044**