

M10 CELLS
MONO PERC
MODULE

RPS2MH72BDXXX

BIFACIAL
530-560 W



Comprehensive System and
Product Certifications

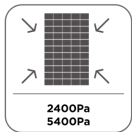
ISO 9001:2015: Quality Management system
ISO 14001:2015: Environment Management system
ISO 45001:2018: Occupational health and safety



Advanced technologies
Multi-bus bar / PERC / Ga Doped / Half cut/
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, 0.45% Linear degradation over
30 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.



560W

MAXIMUM POWER OUTPUT

21.68%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

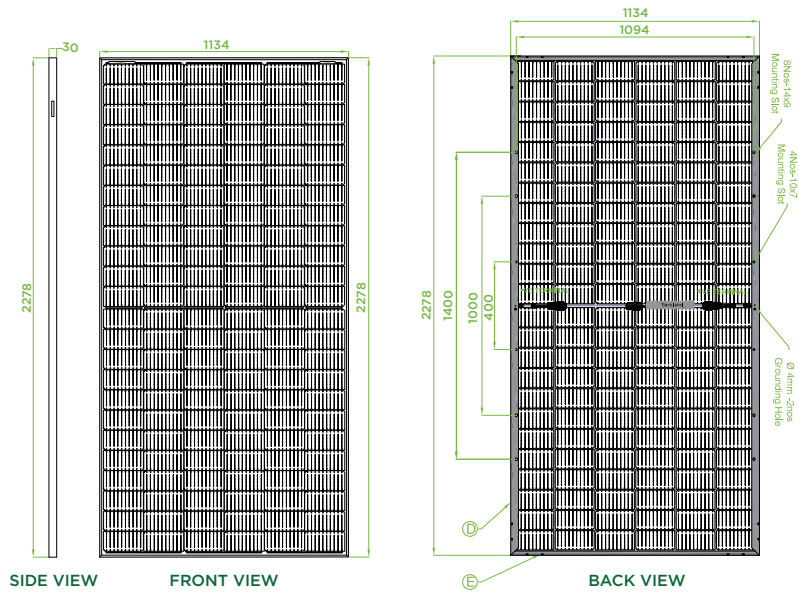
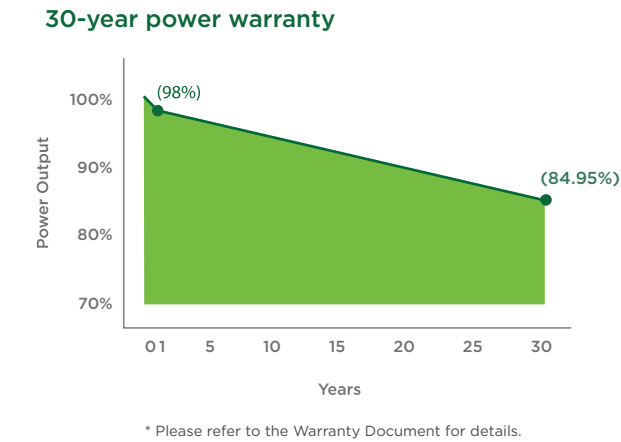
2%

FIRST YEAR POWER DEGRADATION

0.45 %

SUBSEQUENT ANNUAL POWER DEGRADATION

GUARANTEED POWER



ELECTRICAL DATA

Electrical Data (STC)							
Peak Power- P_{MAX} (Wp)*	530	535	540	545	550	555	560
Power Tolerance - P_{MAX} (W)	0 ~ +5						
Max Power Voltage - V_{MPP} (V)	40.53	40.61	40.66	40.79	40.90	41.10	41.15
Max Power Current - I_{MPP} (A)	13.08	13.18	13.29	13.37	13.45	13.51	13.61
Open Circuit Voltage - V_{OC} (V)	49.48	49.55	49.68	49.71	49.74	49.80	49.84
Short Circuit Current - I_{SC} (A)	13.71	13.79	13.85	13.94	14.03	14.13	14.22
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%.

Electrical Data (NOCT)							
Maximum Power - P_{MAX} (Wp)	397	401	405	409	412	415	419
Maximum Power Voltage- V_{MPP} (V)	37.80	37.91	38.08	38.16	38.22	38.39	38.47
Maximum Power Current- I_{MPP} (A)	10.51	10.58	10.64	10.71	10.78	10.81	10.88
Open Circuit Voltage - V_{OC} (V)	46.16	46.21	46.33	46.35	46.37	46.40	46.43
Short Circuit Current- I_{SC} (A)	11.10	11.17	11.22	11.29	11.37	11.45	11.52

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, Tempered ARC glass
Encapsulant	EPE / EVA
Rear Cover	2mm, High Transmission glass
Frame	30mm, Anodized Aluminum
Junction Box	IP68 / IP67
Cable*	4.0 mm ² , Cable length 300mm (Positive and Negative)
Connector*	MC4/ MC4 compatible

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

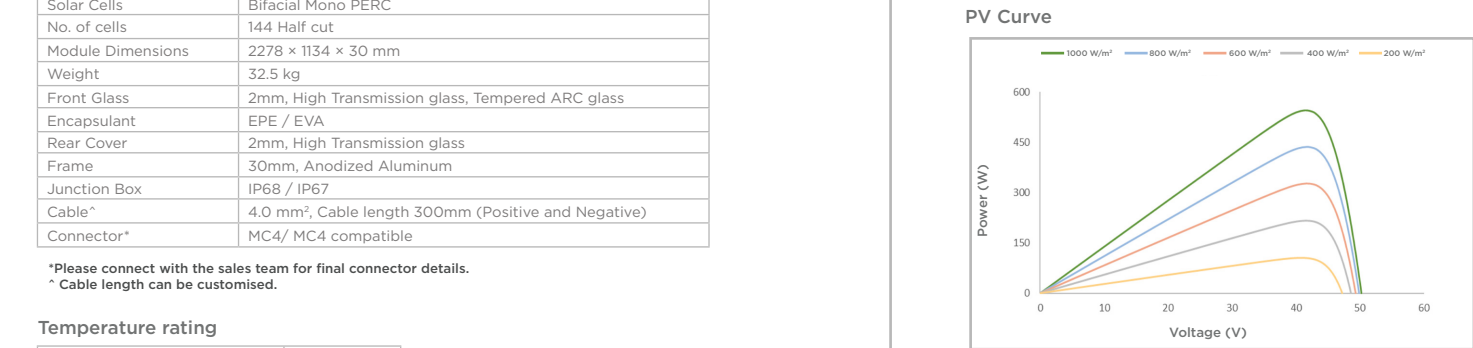
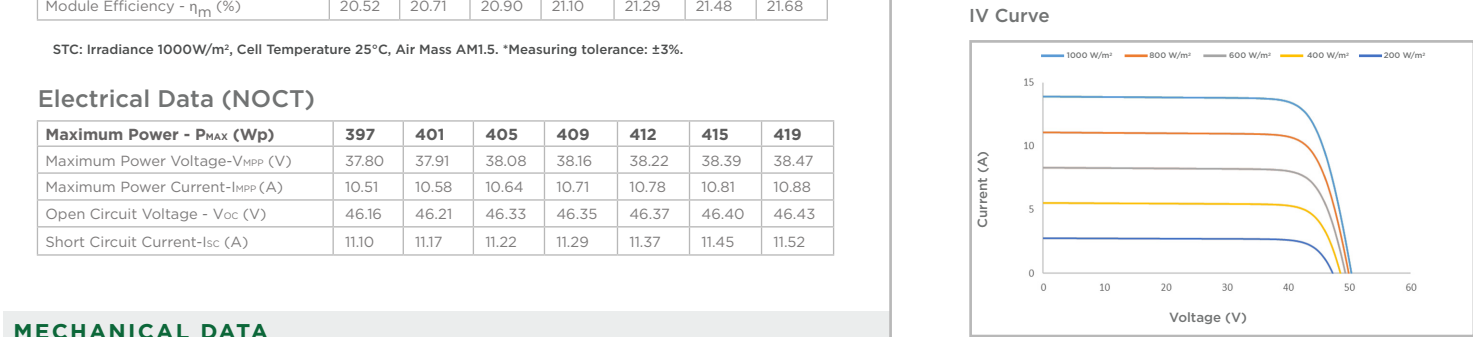
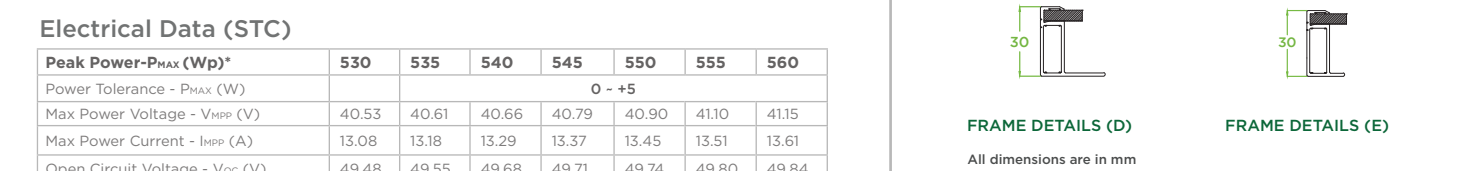
Temperature rating	
NOCT	43°C ±2°C
Temperature Coefficient of P_{MAX}	- 0.32%/°C
Temperature Coefficient of V_{OC}	- 0.25%/°C
Temperature Coefficient of I_{SC}	0.06%/°C
Max Series Fuse rating	30A

WARRANTY

PACKING CONFIGURATION

12-year Product Workmanship Warranty	Modules per box: 36 pieces
30-year Power Warranty	Modules per 40' HC container: 720 pieces
2% first year degradation	
0.45% Annual Power Attenuation	

Document Number: RP/SS/M10/144/R/005



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

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

Contact pv.marketing@renew.com

ReNew.Hub,
Commercial Block-1, Zone-6, Golf Course Road,
DLF City Phase-V, Gurugram -122009