

M10 CELLS
MONO PERC
MODULE

RPS2MH72BDXXX

BIFACIAL
505-535 W



ALMM
APPROVED

Comprehensive System and
Product Certifications

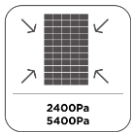
ISO 9001:2015: Quality Management system
ISO 14001:2015: Environment Management system
ISO 45001:2018: Occupational health and safety



Advanced technologies
Multi-bus bar / PERC / Ga Doped / Half cut/
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.



535W
MAXIMUM POWER OUTPUT

20.71%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

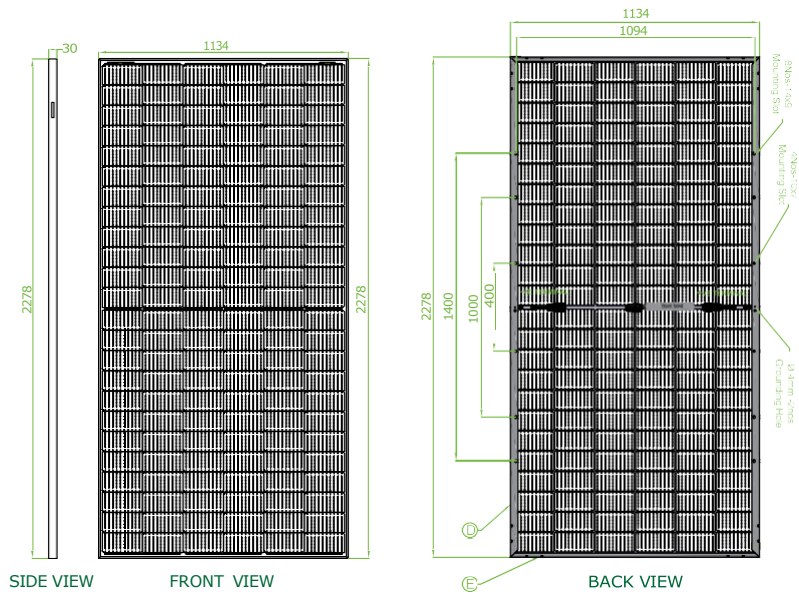
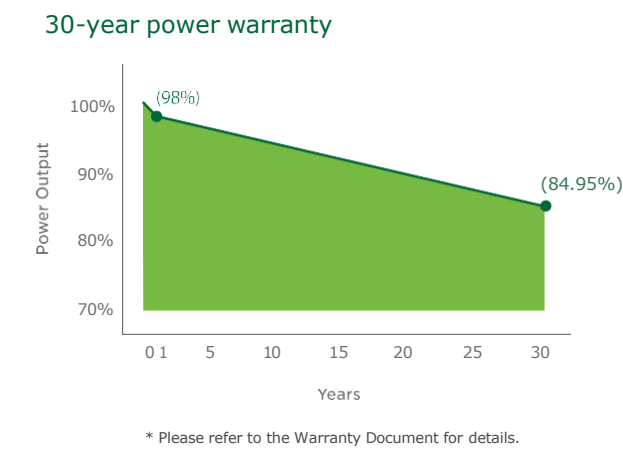
2%

FIRST YEAR POWER DEGRADATION

0.45 %

SUBSEQUENT ANNUAL POWER DEGRADATION

GUARANTEED POWER



ELECTRICAL DATA

| Electrical Data (STC) | | | | | | | |
|--------------------------------------|--------|-------|-------|-------|-------|-------|-------|
| Peak Power- P_{MAX} (Wp)* | 505 | 510 | 515 | 520 | 525 | 530 | 535 |
| Power Tolerance - P_{MAX} (W) | 0 ~ +5 | | | | | | |
| Max Power Voltage - V_{MPP} (V) | 40.18 | 40.26 | 40.34 | 40.42 | 40.50 | 40.53 | 40.61 |
| Max Power Current - I_{MPP} (A) | 12.57 | 12.67 | 12.77 | 12.87 | 12.96 | 13.08 | 13.18 |
| Open Circuit Voltage - V_{OC} (V) | 48.89 | 49.03 | 49.10 | 49.18 | 49.25 | 49.48 | 49.55 |
| Short Circuit Current - I_{SC} (A) | 13.46 | 13.51 | 13.56 | 13.61 | 13.66 | 13.71 | 13.79 |
| Module Efficiency - η_m (%) | 19.55 | 19.74 | 19.94 | 20.13 | 20.32 | 20.52 | 20.71 |

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

| Electrical Data (NOCT) | | | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Power - P_{MAX} (Wp) | 381 | 384 | 388 | 392 | 396 | 397 | 401 |
| Maximum Power Voltage- V_{MPP} (V) | 37.55 | 37.63 | 37.70 | 37.78 | 37.85 | 37.80 | 37.91 |
| Maximum Power Current- I_{MPP} (A) | 10.14 | 10.22 | 10.30 | 10.38 | 10.45 | 10.51 | 10.58 |
| Open Circuit Voltage - V_{OC} (V) | 45.69 | 45.82 | 45.89 | 45.96 | 46.03 | 46.16 | 46.21 |
| Short Circuit Current- I_{SC} (A) | 10.85 | 10.90 | 10.94 | 10.98 | 11.02 | 11.10 | 11.17 |

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 customized.

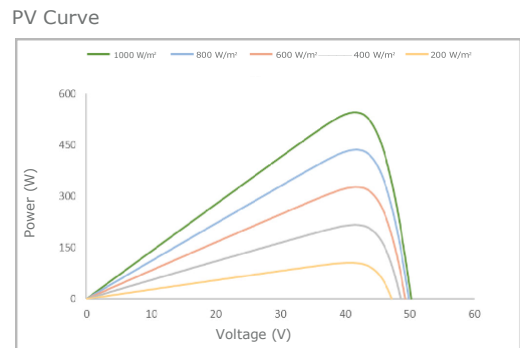
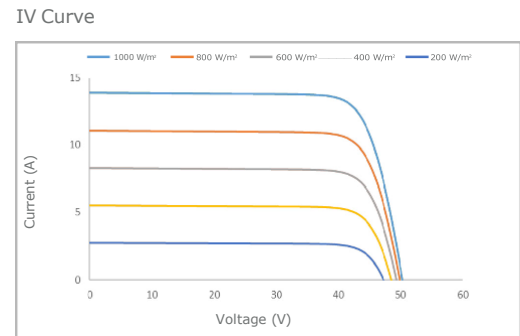
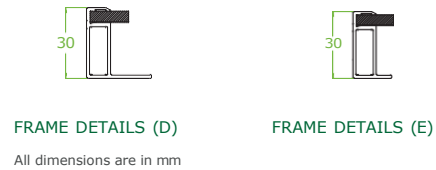
| | |
|--------------------------------------|------------|
| Temperature rating | |
| NOCT | 43°C ±2°C |
| Temperature Coefficient of P_{MAX} | - 0.32%/°C |
| Temperature Coefficient of V_{OC} | - 0.25%/°C |
| Temperature Coefficient of I_{SC} | 0.06%/°C |
| Max Series Fuse rating | 30A |

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 |



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