

M10 CELLS TOPCON MODULE

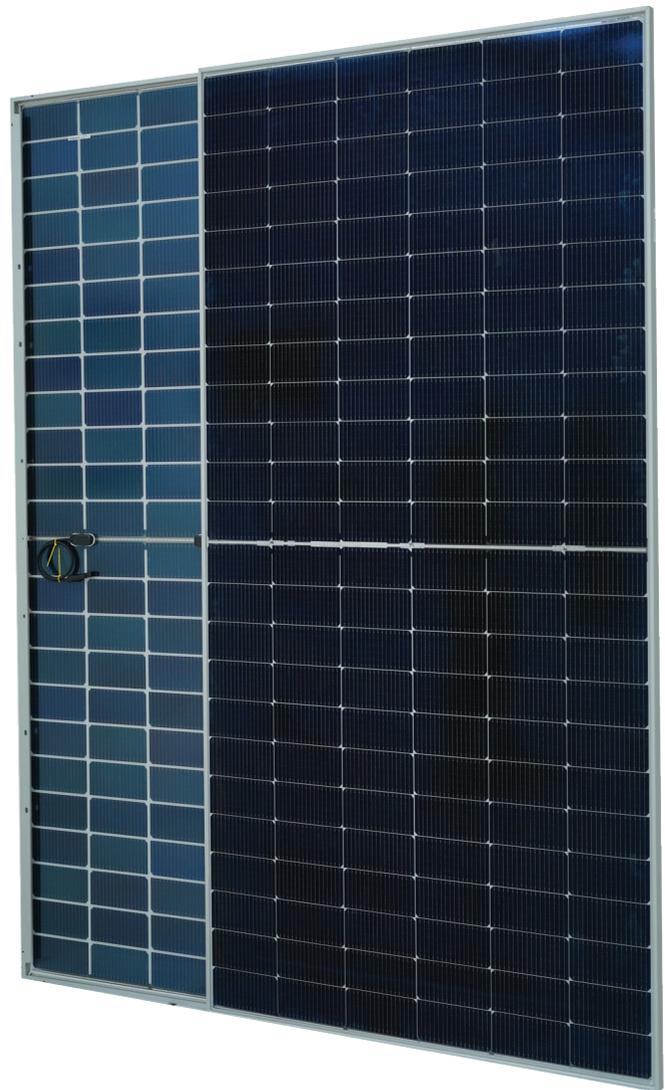
RPS2MH72BDXXX

BIFACIAL
570-590W



Comprehensive System Certifications

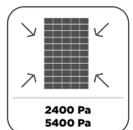
ISO 9001:2015: Quality Management system
 ISO 14001:2015: Environment Management system
 ISO 45001:2018: Occupational health and safety



Advanced TOPCon technology
 16 busbars to minimize micro-crack impacts / Half cut / M10 cell / Smart soldering / Zero LID



Tough modules for harsh weather
 Tested to withstand extended wind load (2400 Pa) and snow load (5400 Pa)



Robust performance
 1% 1ST year degradation,
 Excellent PID resistance performance



High performance tolerance
 Excellent low light performance on cloudy or rainy days /
 Low temperature coefficient for stable performance in hot climates



590W

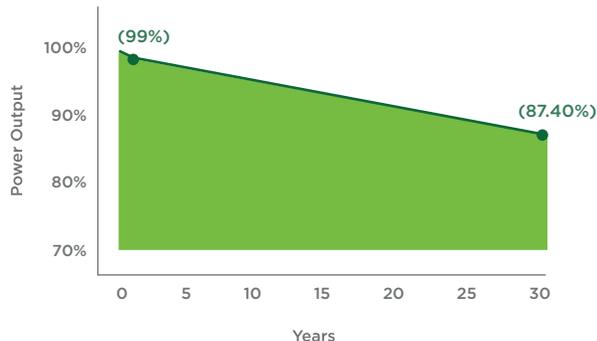
MAXIMUM POWER OUTPUT

22.84%

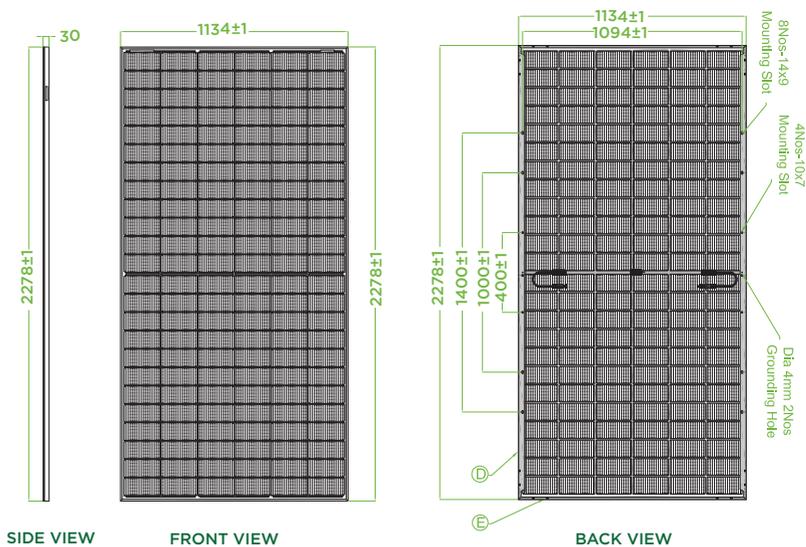
MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

1% FIRST YEAR POWER DEGRADATION**0.40% 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)*	570	575	580	585	590
Power Tolerance - P _{MAX} (W)	0 - +5				
Max Power Voltage - V _{MPP} (V)	44.43	44.61	44.79	44.97	45.15
Max Power Current - I _{MPP} (A)	12.83	12.89	12.95	13.01	13.07
Open Circuit Voltage - V _{OC} (V)	52.85	52.90	52.95	53.00	53.25
Short Circuit Current - I _{SC} (A)	13.56	13.58	13.60	13.62	13.64
Module Efficiency - η _m (%)	22.07	22.26	22.45	22.65	22.84

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring Tolerance: ±3%**Electrical Data (NOCT)**

Maximum Power - P _{MAX} (Wp)	430	433	436	439	443
Maximum Power Voltage-V _{MPP} (V)	41.46	41.71	41.94	42.46	42.34
Maximum Power Current-I _{MPP} (A)	10.38	10.39	10.41	10.35	10.48
Open Circuit Voltage - V _{OC} (V)	49.87	49.90	49.92	50.31	50.18
Short Circuit Current-I _{SC} (A)	10.93	10.95	10.97	10.90	11.00

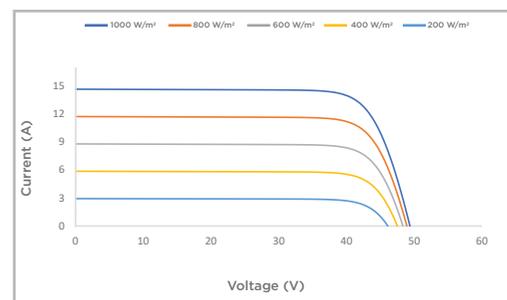
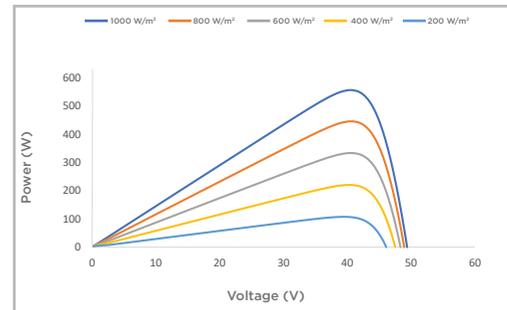


FRAME DETAILS (D)



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 TOPCon
No. of cells	144 Half cut
Module Dimensions	2278 × 1134 × 30 mm
Weight	32.5 kg
Front Glass	2 mm, High Transmission glass
Encapsulant	EPE / EVA
Rear Cover	2 mm, High Transmission glass
Frame	30 mm, Anodized Aluminum
Junction Box	IP68 / IP67
Cable*	4.0 mm ² , Cable length 300 mm (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	45°C (±2°C)
Temperature Coefficient of P _{MAX}	- 0.30%/°C
Temperature Coefficient of V _{OC}	- 0.24%/°C
Temperature Coefficient of I _{SC}	0.04%/°C
Max Series Fuse rating	30A

WARRANTY

12-year Product Workmanship Warranty
30-year Power Warranty
1% First Year Degradation
0.40% Annual Power Attenuation

PACKING CONFIGURATION

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

RP/SS/M10TC/144/R/003

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DLF City Phase-V, Gurugram -122009