



# Dawn Series

## 182 HJT Solar Module

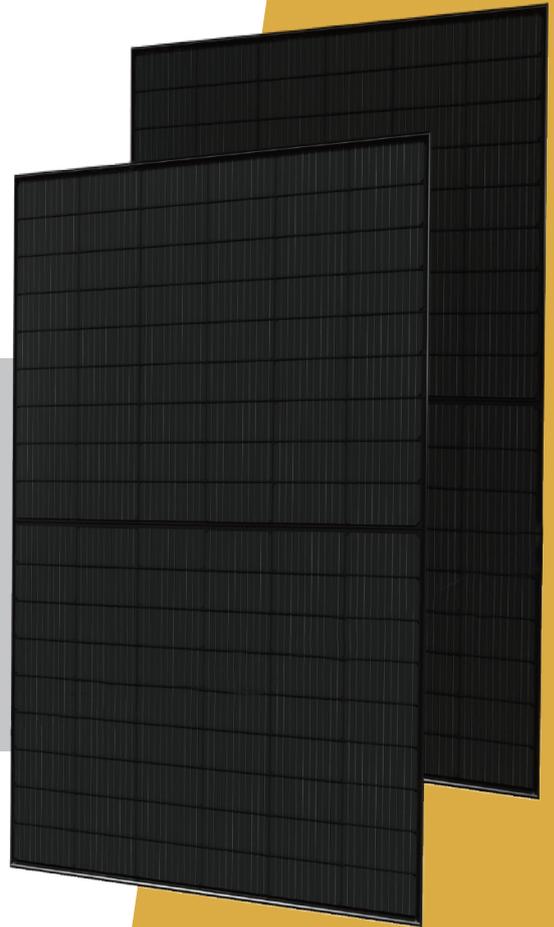
PRODUCT:

### N1054D-TB

POWER RANGE:

# 420-440W

\*Recommend for residential rooftop



**440W**

Max Power Output

**22.5%**

Max Panel Efficiency

**SMBB**

Super Multi-busbar  
Technology

**HJT**

182 Wafer



### Excellent Energy Efficiency

- No PID&LID;
- Market leading weak light effect and temperature coefficient (-0.24%/°C);
- 182mm large size and SMBB technology provide higher efficiency (22.5%)



### High Double-sided Rate 90%

- Additional power generation revenue>5%



### Printing Technology

- Exclusive patent protection, available for pattern customization



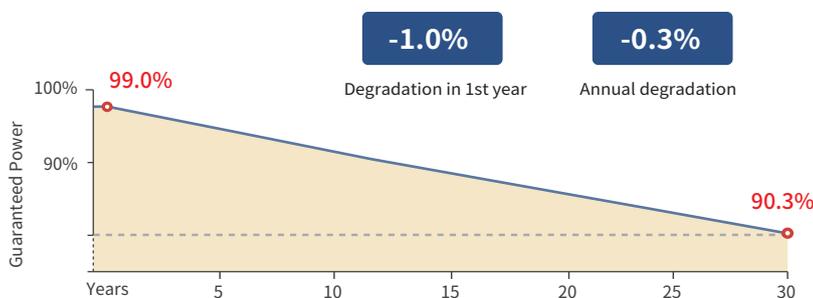
### Multi-busbar Technology

- Extremely high light utilization;
- Greater power collection capability;
- Effectively improve power output and reliability



### Highest Fire Rating

- Class A



**15**

15 years Product Warranty

**30**

30 years Power Warranty

### Certificates & Warranty

IEC61215 2016&IEC61730 2016



Electrical data(STC)

Max. Power (W)	420	425	430	435	440
Max. Power Voltage Vmp(V)	34.49	34.76	35.03	35.30	35.57
Max. Power Current Imp(A)	12.18	12.23	12.28	12.33	12.37
Open Circuit Voltage Voc(V)	40.56	40.84	41.12	41.40	41.68
Short Circuit Current Isc(A)	12.97	13.02	13.07	13.12	13.16
Module Efficiency (%)	21.4	21.7	21.9	22.2	22.5

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5  
 \*Measurement Tolerance (±3.0%)

Electrical data(NOCT)

Max. Power (W)	321	325	329	333	337
Max. Power Voltage Vmp (V)	33.00	33.27	33.54	33.81	34.11
Max. Power Current Imp (A)	9.73	9.77	9.81	9.85	9.88
Open Circuit Voltage Voc (V)	38.95	39.22	39.49	39.76	40.03
Short Circuit Current Isc (A)	10.46	10.50	10.54	10.58	10.62

\*NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

Temperature Ratings

Power Tolerance (W)	0~+5
Temperature Coefficients of γPmp (%/°C)	-0.24
Temperature Coefficients of βVoc (%/°C)	-0.22
Temperature Coefficients of αIsc (%/°C)	+0.047
Max. Over-Current (A)	25
Bifacial Factor (%)	≥85
NOCT(Nominal Operating Cell Temperature)	43±2°C

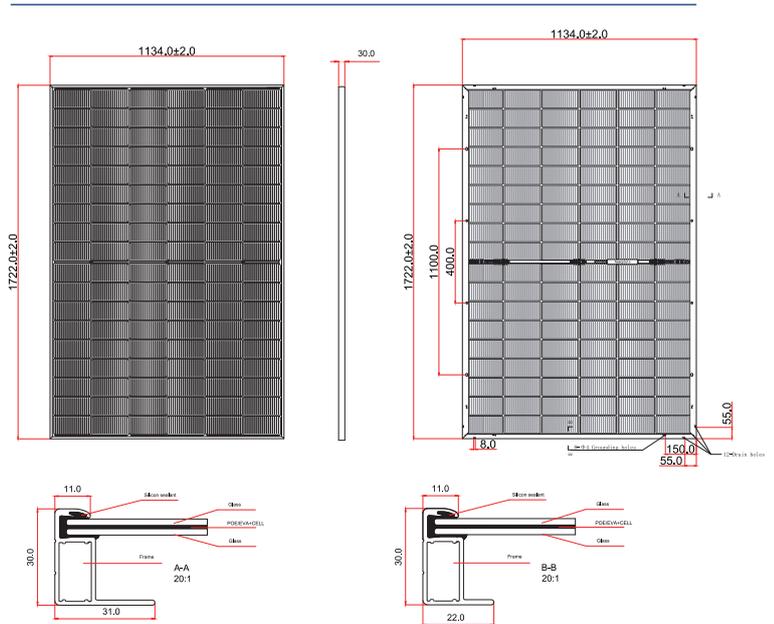
Mechanical Parameters

Cell Type (mm)	HJT 182 Half cell
NO. of Cells and Connections	108(6×18)
Dimensions(L*W*H) (mm)	1722*1134*30
Double AR Coated Glass (mm)	1.6+1.6
Cable Length (mm)	300,Length can be customized
Weight (kg)	22
NO. of Diodes	3
Container 40'HQ (pcs)	36/936

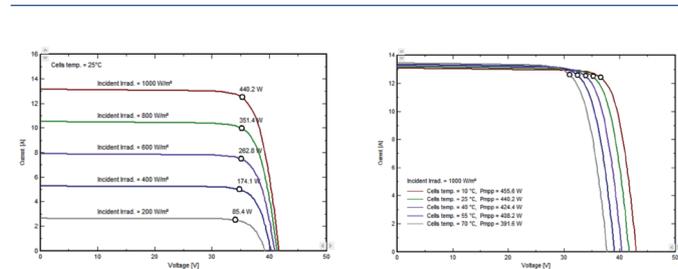
Working Condition

Maximum System Voltage (V)	1500V DC
Operating Temp (°C)	-40~+85
Max. Wind Load (Pa)	2400
Max. Snow Load (Pa)	5400

Dimensions of PV Module(mm)



Characteristic Curves(440W)



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Notice: All data and specifications are preliminary and subject to change without notice.

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