



# Big Eco Series

## 182 HJT Solar Module

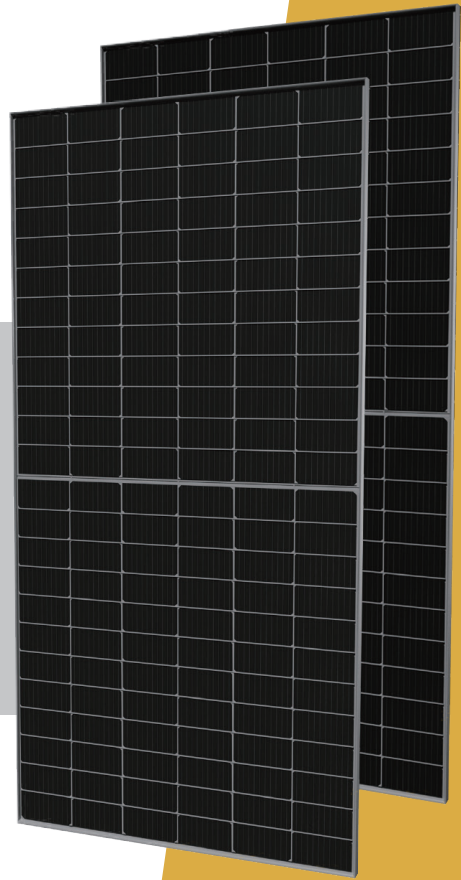
PRODUCT:

### N1072D

POWER RANGE:

# 560-585W

\*Recommend for C&I and Utility scale power station



**585W**

Max Power Output

**22.6%**

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 (22.6%)



### High Double-sided Rate 90%

- Additional power generation revenue>5%



### High Customer Value

- Lower LCOE (Levelized Cost of Energy), reduced BOS (Balance of System) cost, expedited ROI period



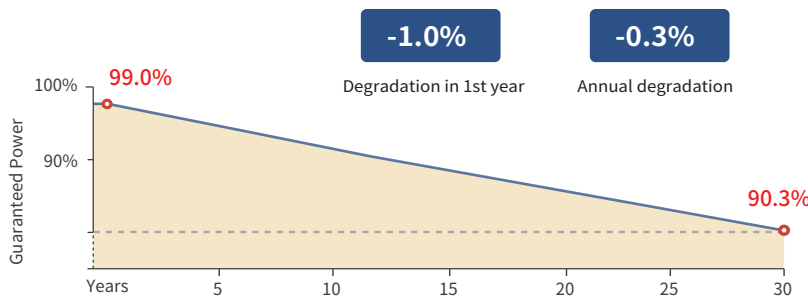
### Multi-busbar Technology

- 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)	560	565	570	575	580	585
Max. Power Voltage Vmp(V)	45.36	45.59	45.82	46.05	46.28	46.51
Max. Power Current Imp(A)	12.35	12.40	12.44	12.49	12.54	12.58
Open Circuit Voltage Voc(V)	53.64	53.86	54.06	54.28	54.50	54.72
Short Circuit Current Isc(A)	13.11	13.15	13.19	13.23	13.27	13.31
Module Efficiency (%)	21.7	21.9	22.1	22.3	22.5	22.6

\*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)	429	432	436	440	444	448
Max. Power Voltage Vmp (V)	43.51	43.64	43.87	44.09	44.32	44.58
Max. Power Current Imp (A)	9.86	9.90	9.94	9.98	10.02	10.05
Open Circuit Voltage Voc (V)	51.52	51.73	51.92	52.13	52.34	52.55
Short Circuit Current Isc (A)	10.58	10.61	10.64	10.67	10.71	10.74

\*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 $\gamma$ Pmp (%/°C)	-0.24
Temperature Coefficients of $\beta$ Voc (%/°C)	-0.22
Temperature Coefficients of $\alpha$ Isc (%/°C)	+0.047
Max. Over-Current (A)	25
Bifacial Factor (%)	≥85
NOCT(Nominal Operating Cell Temperature)	43±2°C

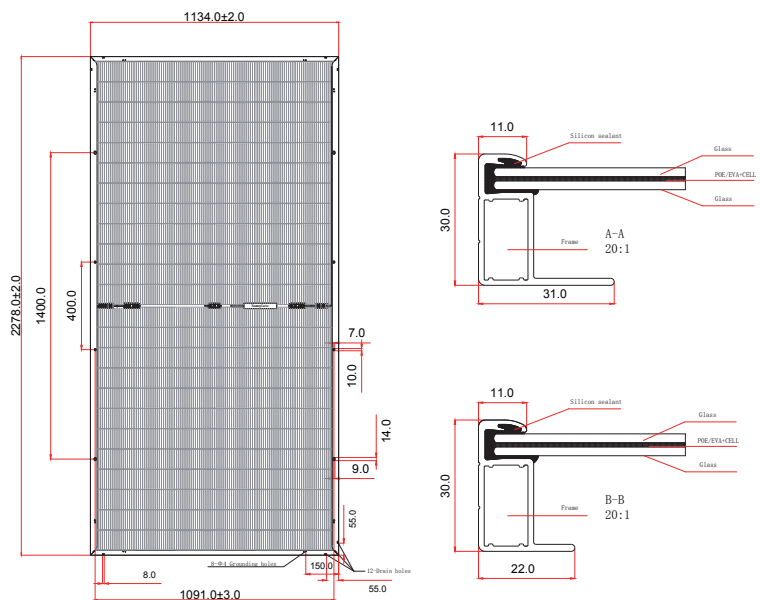
## Mechanical Parameters

Cell Type (mm)	HJT 182 Half cell
NO. of Cells and Connections	144(6×24)
Dimensions(L*W*H) (mm)	2278*1134*30
Double AR Coated Glass (mm)	2.0+2.0
Cable Length (mm)	300, Length can be customized
Weight (kg)	32
NO. of Diodes	3
Container 40'HQ (pcs)	36/720

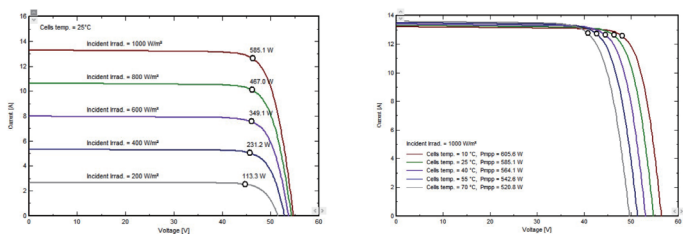
## Working Condition

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(585W)



[Public Platform] [Official Web]

Cannovation Low Carbon New Energy Technology Co. Ltd

No. 186, Innovation 2 Road, Xinbei District, Changzhou City, Jiangsu Province, China, 213000

Phone: (+86) 0519-89886767-6017 / Mail: sales@cando-solar.com

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

www.cando-solar.com Ver.202310EN