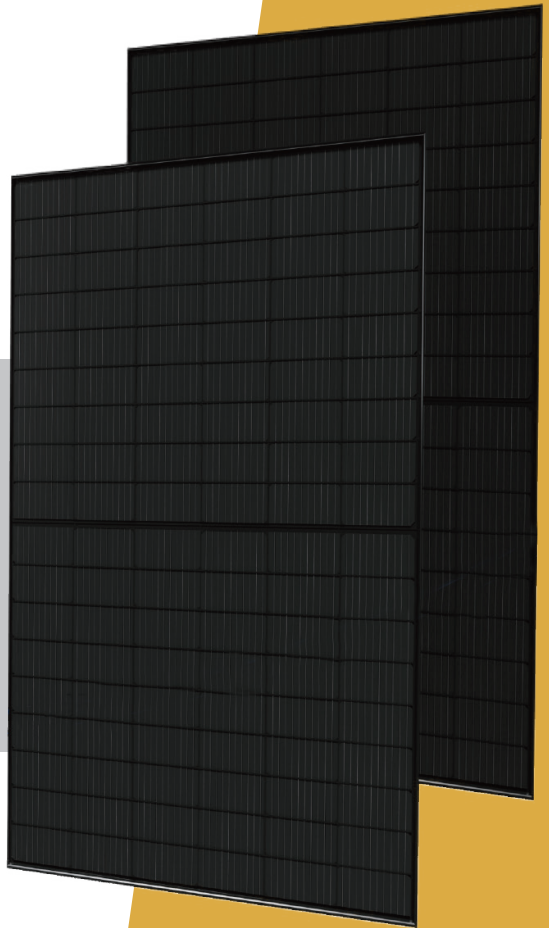


OBB  
Busbar-free  
Technology



# Feather-Light Series

## 182 HJT Solar Module

PRODUCT:

### N1054L-BZ

POWER RANGE:

# 420-440W

\*Recommend for C&I and residential rooftop

<b>440W</b> Max Power Output	<b>22.6%</b> Max Panel Efficiency	<b>LEAD FREE</b> Advanced Busbar-free Technology	<b>HJT</b> 182 Wafer
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### Excellent Energy Efficiency

- No PID&LID;
- Market leading weak light effect and temperature coefficient (-0.24%/°C);
- 182mm large size and Busbar-free technology provide higher efficiency (22.6%)



### Flexible Module Design

- Small panel design, light in weight, flexible in transportation and loading



### High Customer Value

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



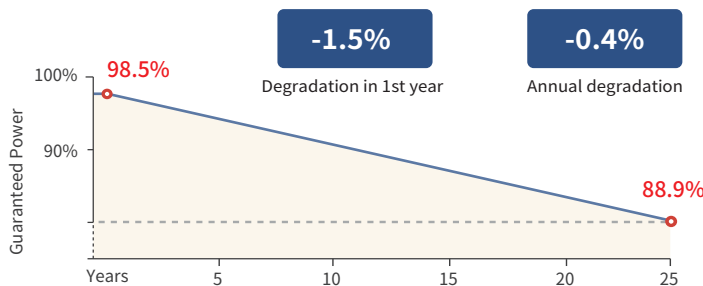
### The Sustainable Choice

- Fluorine-free and lead-free products;
- Thinner silicon wafer (100 μ m);
- Lower energy consumption (<400kg eq CO2/kWc);



### Lower Operating Temperature

- Lower operating temperature and temperature coefficient increase the power output



15 years Product Warranty



25 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 (%)	21.5	21.8	22.1	22.3	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)	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

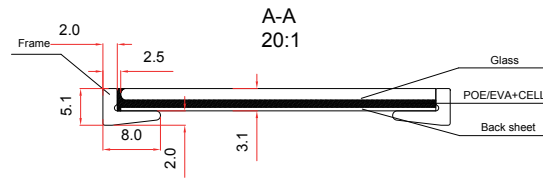
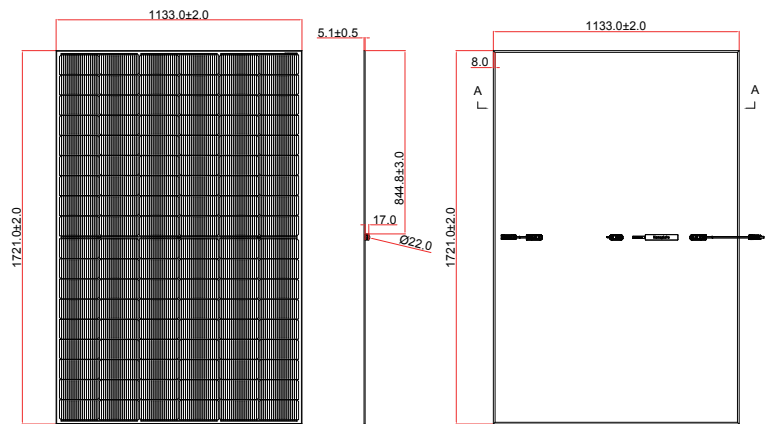
## Temperature Ratings

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

## Mechanical Parameters

Cell Type (mm)	HJT 182 0BB Half cell
NO. of Cells and Connections	108(6×18)
Dimensions(L*W*H) (mm)	1721*1133*5.1
Front AR Coated Glass (mm)	1.6
Backsheet (mm)	0.7
Cable Length (mm)	300, Length can be customized
Weight (kg)	12.5
NO. of Diodes	3
Container 40'HQ (pcs)	33/bottom, 31/top, 64/stack, 768/container
Container 20'GP (pcs)	33/bottom, 21/top, 54/stack, 324/container

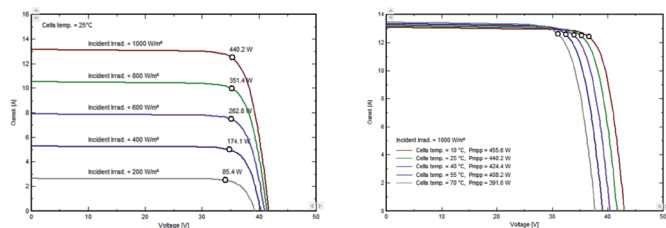
## Dimensions of PV Module(mm)



## Working Condition

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

## Characteristic Curves(440W)



[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.

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