

GLASS-LIGHT PANEL CDS-P1054L-BZ

POWER
410Wp

12KG Ultra Light	410W Max Power Output
2400Pa Wind and snow load	SMBB Super Multi-busbar Technology



Ultra Light

- Weighing 50% less than conventional modules
- Can be handled with one hand



High Mechanical Load

- Certified for wind loads up to 2400 Pa and snow loads up to 2400 Pa



Certificates & Warranty

 15 years Product Warranty	 25 years Power Warranty
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IEC61215:2016&IEC61730:2023



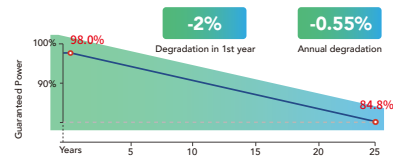
Multi-busbar Technology

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



Excellent Energy Efficiency

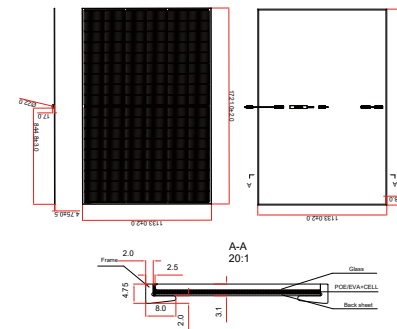
- Market leading temperature coefficient (-0.35%/°C);
- 182mm large size and SMBB technology provide higher efficiency (21.0%)



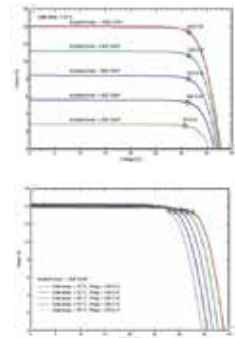
Technical Parameters

MODEL	CDS-P1054L-BZ 410W		
Electrical Data (STC)	Electrical Data (NOCT)		
Max. Power (W)	410	Max Power (W)	307
Max Power Voltage Vmp (V)	31.38	Max Power Voltage Vmp (V)	29.41
Max Power Current Imp (A)	13.07	Max Power Current Imp (A)	10.44
Open Circuit Voltage Voc (V)	37.43	Open Circuit Voltage Voc (V)	31.91
Short Circuit Current Isc (A)	13.86	Short Circuit Current Isc (A)	11.18
Module Efficiency (%)	21.00		
*STC (Standard Test Condition): Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			
*Measurement Tolerance (±3.0%)			
*NOCT: Irradiance at 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s			
Mechanical Parameters			
Cell Type (mm)	PERC 182 Half cell		
No. of Cells and Connections	108(6×18)		
Dimensions (LxWxH) (mm)	1721x1133x4.75		
Front AR Coated Glass (mm)	1.6		
Backsheet (mm)	0.7		
Cable Length (mm)	300, can be customized		
Weight (kg)	12		
No. of Diodes	3		
Container 40'HQ (pcs)	33/bottom, 33/top, 66/stack, 792/container		
Container 20'GP (pcs)	33/pallet, 198/container		
Temperature Ratings	Working Condition		
Power Tolerance (W)	0~+5	Maximum System Voltage (V)	1500V DC
Temperature Coefficients of γ Pmp (%/°C)	-0.35	Operating Temp (°C)	-40~+85
Temperature Coefficients of β Voc (%/°C)	-0.28	Max Wind Load (Pa)	2400
Temperature Coefficients of α Isc (%/°C)	+0.048	Max Snow Load (Pa)	2400
Max Over-Current (A)	25		
NOCT (Nominal Operating Cell Temperature)	43±2°C		

Dimensions of PV Module(mm)



Characteristic Curves (410W)



*NOVGEN reserves the right of final interpretation. 202503_V1_EN



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