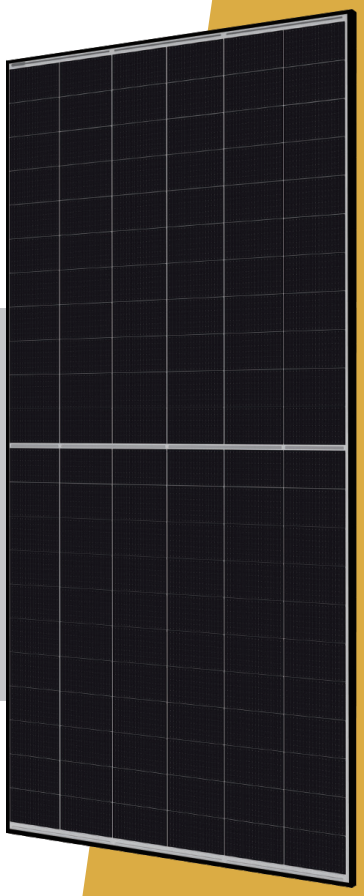
Big Eco Series

210R N Type Solar Module



PRODUCT:

T1166D-WG

POWER RANGE:

605-630W

*Recommend for residential rooftop

630W	23.3%	SMBB	N Type
Max Power Output	Max Panel Efficiency	Advanced Busbar-free Technology	210R Wafer

Excellent Energy Efficiency

- Market leading temperature coefficient (-0.29%/°C);
- 182mm large size and SMBB technology provide higher efficiency (23.3%)

Multi-busbar Technology

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

High energy yield

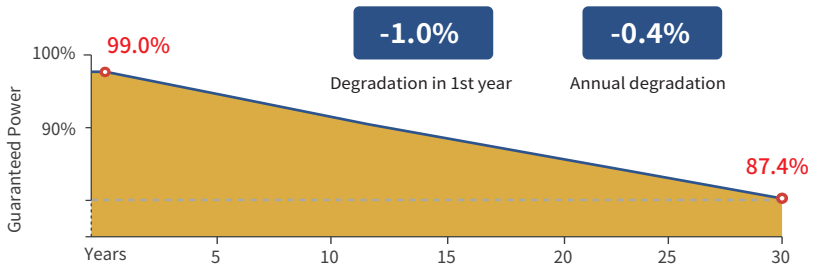
- Higher bifaciality, with up to 10%~20% additional power gain from back side depending on albedo
- Reliable dual-glass structure with 30-year power guarantee

High reliability

- Reduced risks of hot-spot with half-cut technology Certified high resistance against salt, ammonia, sand, PID, LID, LeTID
- Sustainable in harsh environments and extreme weather conditions

High customer value

- Low voltage design with higher string power, effectively reducing BOS (Balance of System) and LCOE (Levelized Cost of Energy) by 1%~5%
- Standardized module size with higher container space utilization effectively reduces the freight cost



15 years Product Warranty

30 years Power Warranty

Certificates & Warranty

IEC61215 2021&IEC61730 : 2023

Big Eco Series 210R N Type Solar Module

T1166D-WG 605-630W

Electrical data(STC)

Max. Power (W)	605	610	615	620	625	630
Max. Power Voltage Vmp (V)	40.25	40.48	40.71	40.94	41.18	41.41
Max. Power Current Imp (A)	15.04	15.07	15.11	15.15	15.18	15.22
Open Circuit Voltage Voc (V)	47.70	47.92	48.14	48.36	48.59	48.81
Short Circuit Current Isc (A)	15.92	15.96	16.00	16.04	16.08	16.12
Module Efficiency (%)	22.4	22.6	22.8	23.0	23.1	23.3

*STC (Standard Test Condition): Irradiance 1000W/㎡, Cell Temperature 25°C, Air Mass 1.5
*Measurement Tolerance (±3.0%)

Electrical data(NOCT)

Max. Power (W)	459	463	466	470	474	478
Max. Power Voltage Vmp (V)	38.22	38.49	38.65	38.85	39.11	39.35
Max. Power Current Imp (A)	12.01	12.03	12.06	12.10	12.12	12.15
Open Circuit Voltage Voc (V)	45.55	45.76	45.97	46.18	46.40	46.61
Short Circuit Current Isc (A)	12.84	12.87	12.90	12.94	12.97	13.00

*NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Temperature Ratings

Power Tolerance (W)	0～+5
Temperature Coefficients of γPmp (%/℃)	-0.29
Temperature Coefficients of βVoc (%/℃)	-0.25
Temperature Coefficients of αIsc (%/℃)	+0.045
Max. Over-Current (A)	35
Bifacial Factor (%)	⩾75
NOCT(Nominal Operating Cell Temperature)	43±2℃

Mechanical Parameters

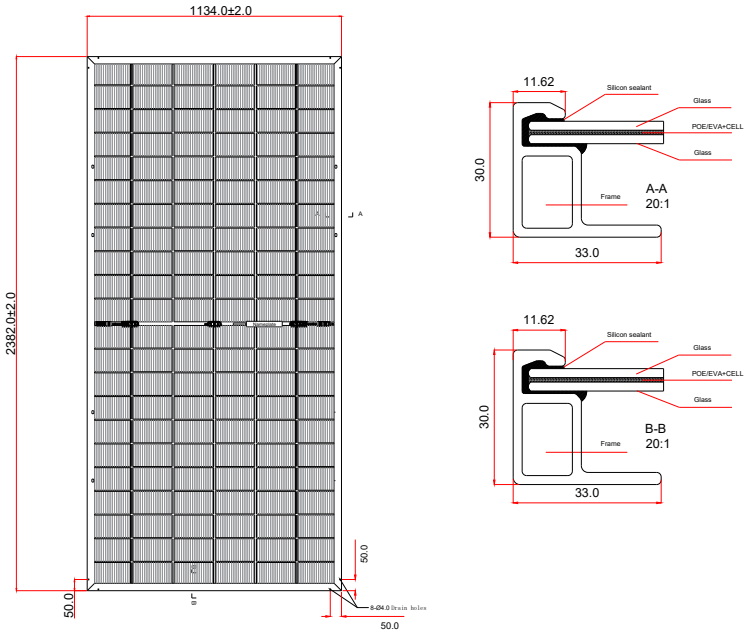
Cell Type (mm)	N type 182*105
NO. of Cells and Connections	132(6×11*2)
Dimensions(L*W*H) (mm)	2382*1134*30
Frame Material	Glassfiber Reinforced Polyurethane
Front & Back Glass (mm)	2.0+2.0
Cable Length (mm)	255,Length can be customized
Weight (kg)	33.5
NO. of Diodes	3
Container 40'HQ (pcs)	36/720

Working Condition

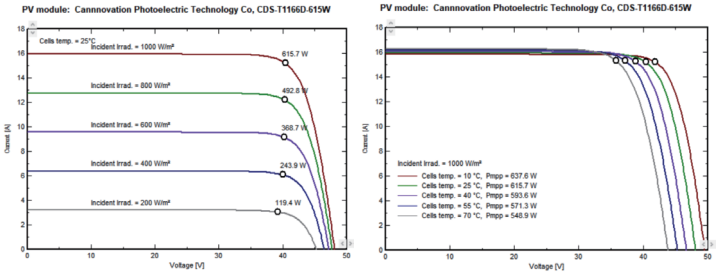
Maximum System Voltage (V)	1500V DC
Operating Temp (℃)	-40～+85
Max. Wind Load (Pa)	2400
Max. Snow Load (Pa)	5400

【Public Platform】 【Official Web】

Dimensions of PV Module(mm)



Characteristic Curves(615W)



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