

TY-132N-HBD N-Type-TOPCon210 Bifacial Dual-Glass Module 710-745W

QUALITY ASSURANCE

12 years	30 years
Product Warranty	Linear Power Warranty
1%	0.4%
First-Year Degradation	Annual Power Degradation

PRODUCT AND QUALITY CERTIFICATES



- IEC61215(2021) IEC61730(2023)
- ISO9001:2015 Quality Management System
- ISO14001:2015 Environmental Management System
- ISO45001:2018 Occupational Health and Safety Management System

KEY FEATURES



Bifaciality up to 85%
More energy generation
from the rear side



Excellent PID resistance
Lower power degradation
for higher energy yield



Lower temperature coefficient (Pmax):
-0.29%/°C
Increases power generation
in hot climate



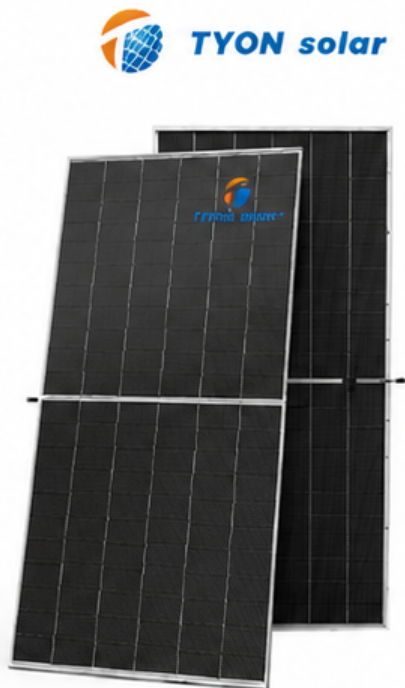
Better performance under low light
conditions such as cloudy days,
mornings and evenings



Advanced cell cutting technology
Reduce shading loss



Withstand heavy snow load up to
5400 Pa and wind load up to
2400 Pa



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Bifacial Dual-Glass Module 710-745W

ELECTRICAL PARAMETERS (STC)

Maximum Power Pmax (W)	710	715	720	725	725	730	730	735	740	740	745
Maximum Power Voltage Vmp (V)	40.90	41.10	41.30	41.50	41.70	41.70	41.10	41.10	42.10	42.10	42.30
Maximum Power Current Imp (A)	17.37	17.40	17.44	17.47	17.57	17.51	17.55	17.55	17.55	17.58	17.60
Open Circuit Voltage Voc (V)	48.90	49.10	49.30	49.50	49.70	49.70	49.90	49.90	50.10	50.10	50.30
Short Circuit Current Isc (A)	18.40	18.46	18.52	18.52	18.58	18.64	18.64	18.70	18.70	18.76	18.80
Module Efficiency (%)	22.8%	22.9%	23.1%	23.1%	23.3%	23.5%	22.3%	23.7%	23.7%	23.9%	24.0%
Power Tolerance	0 ~ +5%										

Note: Under Standard Test Conditions (STC): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5.

ELECTRICAL PARAMETERS (BNPI)

Maximum Power Pmax (W)	767	772	778	784	788	799	794	798	800	800	865
Maximum Power Voltage Vmp (V)	40.90	41.10	41.30	41.50	41.70	41.90	41.90	41.20	18.00	42.30	40.30
Maximum Power Current Imp (A)	18.73	18.78	18.82	18.86	18.93	18.95	18.90	18.00	18.02	18.62	18.05
Open Circuit Voltage Voc (V)	48.90	49.10	49.30	49.50	49.70	49.90	49.90	39.10	20.10	20.30	20.90
Short Circuit Current Isc (A)	19.60	19.68	19.86	19.96	20.04	20.10	20.10	20.16	20.16	20.20	20.20

Conditions (STC): Irradiance 1000W/m², Room Temperature: 25°C, AM1.5, Cell Temperature 25°C, AM1.5.

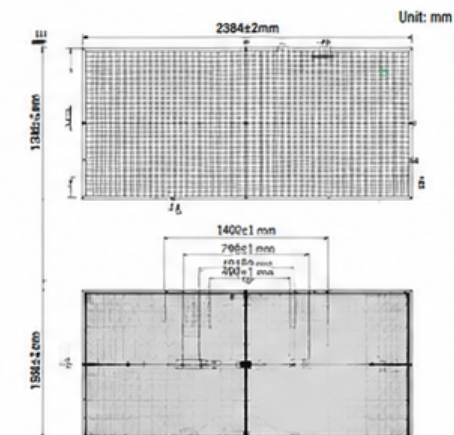
MECHANICAL PARAMETERS

Cell Type	N-type Monocrystalline
Number of Cells	132 (66x2)
Dimensions	2384x1303x33 mm
Weight	33.6 kg
Front Glass	2.0 mm, Anti-reflection Coated High Transparency Glass
Rear Glass	2.0 mm, Heat Strengthened Glass Anodized Aluminum Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4.0 mm², (+) 300 mm, (-) 200 mm or Customized Length

PACKAGING CONFIGURATION

Packing Type	33pcs/pallet
Pieces per Pallet	33pcs
Pallet Dimensions	2410x1120x1261 mm
Pallet Gross Weight	726 kg
40'HQ Container	594 pcs

ENGINEERING DRAWINGS



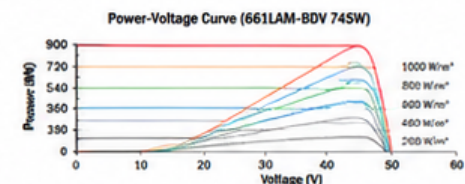
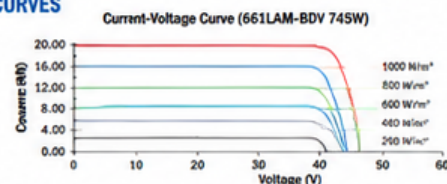
TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43°C±2°C
Temperature Coefficient of Pmax	-0.25%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C

OPERATING CONDITIONS

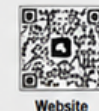
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	35A

IV CURVES

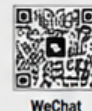


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