

HT^{210R} TOPCon Bifacial Series

550~570W

HY-NT11/60GDF



Main Features



N-TYPE TOPCON TECH

- Lower LID
- Excellent Low Irradiance Performance



SMBB + HALF-CELL TECH NON-DESTRUCTIVE CUTTING

- Reduced Internal Current Loss
- Minimized Micro-Crack Impact



HIGH RELIABILITY

- Salt Mist Resistance, Ammonia Resistance, Sand & Dust Resistance
- Anti-PID



HIGH CONVERSION EFFICIENCY

- Module Conversion Efficiency Up to 23.1%
- Bifaciality Rate Up to 80-85%



SUPERIOR POWER GENERATION PERFORMANCE

- Low Temperature Coefficient: $-0.29\%/^{\circ}\text{C}$
- Lower Operating Temperature

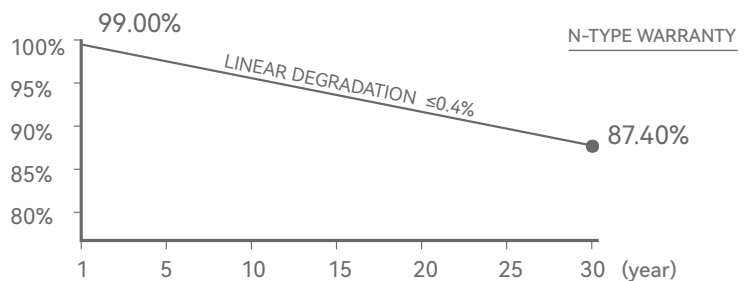


LOWER LEVELIZED COST OF ELECTRICITY

- Lower BOS and LCOE
- Higher ROI

Comprehensive Products and System Certificates

- IEC 61215, IEC 61730
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018



Munich RE

15 YEAR

Product Workmanship Warrant

30 YEAR

Linear Power Warranty

≤1%

First - year power attenuation

≤0.4%

Linear power attenuation



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The product specifications are subject to change without prior notice.
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N-Type Bifacial Series HY-NT11/60GDF

550~570W
POWER RANGE

23.1%
EFFICIENCY

0~+5W
POWER SORTING

ELECTRICAL PERFORMANCE PARAMETERS

***STC** : Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp/Wp)	550	555	560	565	570
Rated voltage (Vmpp/V)	36.70	36.90	37.10	37.30	37.50
Rated current (Impp/A)	14.99	15.05	15.10	15.15	15.20
Open circuit voltage (Voc/V)	43.80	44.00	44.20	44.40	44.60
Short-circuit current (Isc/A)	15.81	15.85	15.89	15.93	15.97
Module efficiency	22.3%	22.5%	22.7%	22.9%	23.1%

NMOT : Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp/Wp)	420.4	424.6	428.8	433.0	437.2
Rated voltage (Vmpp/V)	34.43	34.63	34.83	35.03	35.23
Rated current (Impp/A)	12.21	12.26	12.31	12.36	12.41
Open circuit voltage (Voc/V)	41.41	41.61	41.81	42.01	42.21
Short-circuit current (Isc/A)	12.83	12.88	12.93	12.98	13.03

DIFFERENT REAR POWER GAINS (555W)

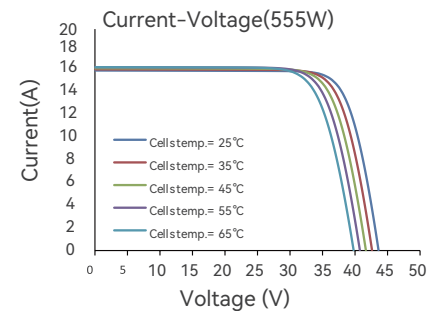
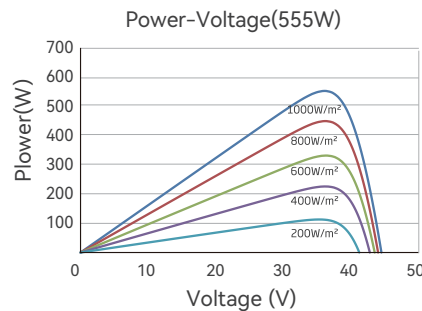
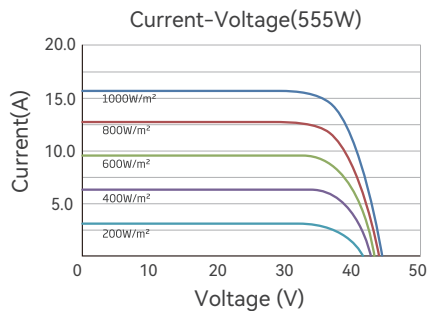
Power gains	Pmpp/Wp	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	583	36.90	15.79	44.00	16.64
15%	638	36.90	17.30	44.00	18.23
25%	694	36.90	18.80	44.00	19.81

TEMPERATURE COEFFICIENT

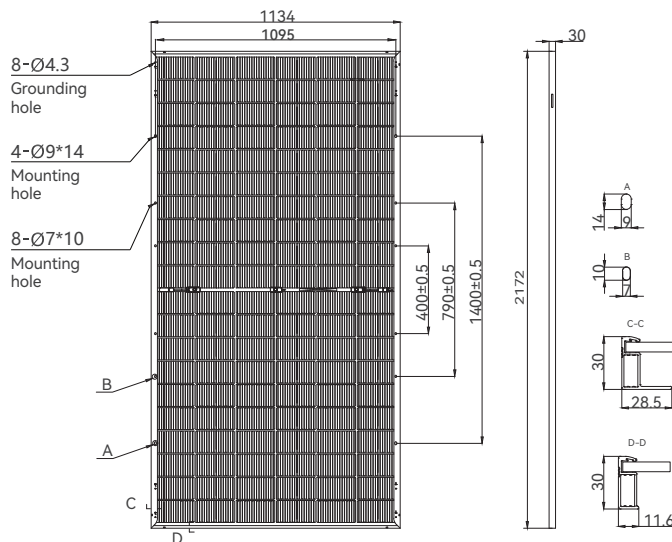
Temperature coefficient (Pmpp)	-0.29%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

OPERATING PARAMETERS

Max. system voltage (IEC)	1500Vdc
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	30A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%



MECHANICAL PARAMETERS



Outer dimensions (L x W x H)	2172 x 1134 x 30 mm
Cell	N type mono-crystalline
Number of cells	120 (6*20)
Frame Type	Aluminum, silver anodized
Glass thickness	2.0+2.0 mm
Cable length (including connector)	Portrait: (+)300 mm, (-)300 mm; Customized length
Cable cross-sectional area (IEC)	4 mm ² / 12 AWG
① Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	PV-HYC11xyz(standard)/MC4 EVO2(optional)
Module weight	30.7 kg
Packaging unit	36 pcs / box
Weight of packing unit	1165 kg / box
Modules per 40' HQ container	720 pcs

① Please refer to the installation manual or contact us to confirm. The maximum test mechanical load = 1.5× maximum design mechanical load.

*The data above is for reference only and the actual data is in accordance with the practical testing. Power Measurement Tolerance ±3% under STC standard.