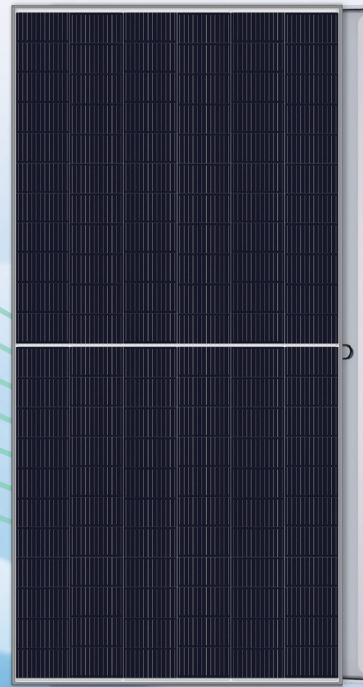


**HT** 210R  
TOPCon

Monofacial Series

**615~635W**

HY-NT11/66H



## 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 23.5%



### SUPERIOR POWER GENERATION PERFORMANCE

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

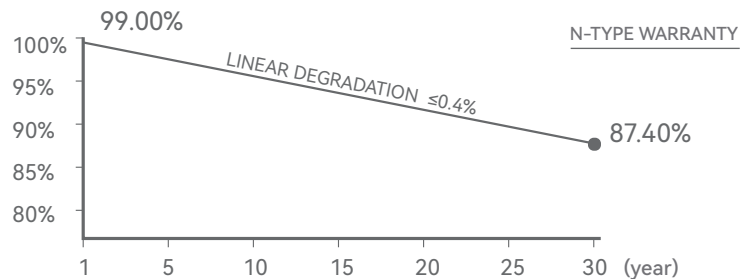


### LOWER LEVELIZED COST OF ELECTRICITY

- 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  
Warranty

**30** YEAR

Linear Power  
Warranty

**≤1%**

First - year  
power  
attenuation

**≤0.4%**

Linear power  
attenuation



**HONGYUAN GREEN ENERGY CO.,LTD.**

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Please use our latest version.



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# N-Type Monofacial Series HY-NT11/66H

**615~635W**  
POWER RANGE

**23.5%**  
EFFICIENCY

**0~+5W**  
POWER SORTING

## ELECTRICAL PERFORMANCE PARAMETERS

**\*STC** : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25° C, AM=1.5

|                               |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp/Wp)        | 615   | 620   | 625   | 630   | 635   |
| Rated voltage (Vmpp/V)        | 40.65 | 40.85 | 41.05 | 41.25 | 41.44 |
| Rated current (Impp/A)        | 15.13 | 15.18 | 15.23 | 15.28 | 15.33 |
| Open circuit voltage (Voc/V)  | 48.66 | 48.86 | 49.06 | 49.26 | 49.45 |
| Short-circuit current (Isc/A) | 15.96 | 16.00 | 16.04 | 16.08 | 16.12 |
| Module efficiency             | 22.8% | 23.0% | 23.1% | 23.3% | 23.5% |

**NMOT** : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

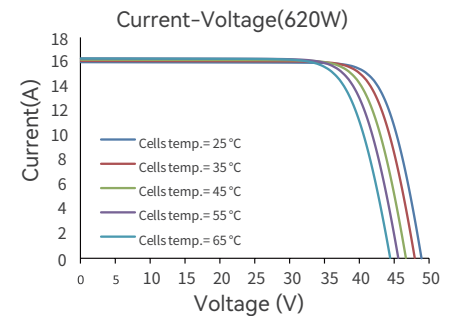
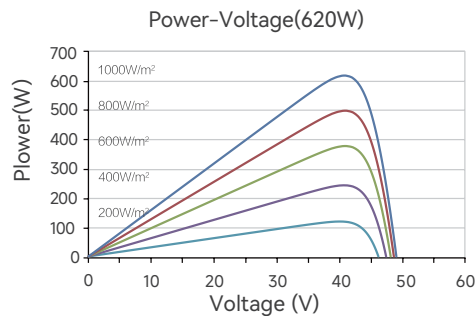
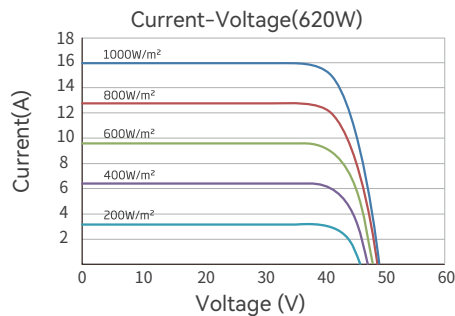
|                               |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp/Wp)        | 469.2 | 473.2 | 477.2 | 481.2 | 484.9 |
| Rated voltage (Vmpp/V)        | 38.15 | 38.35 | 38.55 | 38.74 | 38.92 |
| Rated current (Impp/A)        | 12.30 | 12.34 | 12.38 | 12.42 | 12.46 |
| Open circuit voltage (Voc/V)  | 46.02 | 46.22 | 46.42 | 46.61 | 46.79 |
| Short-circuit current (Isc/A) | 12.91 | 12.95 | 12.99 | 13.02 | 13.05 |

## TEMPERATURE COEFFICIENT

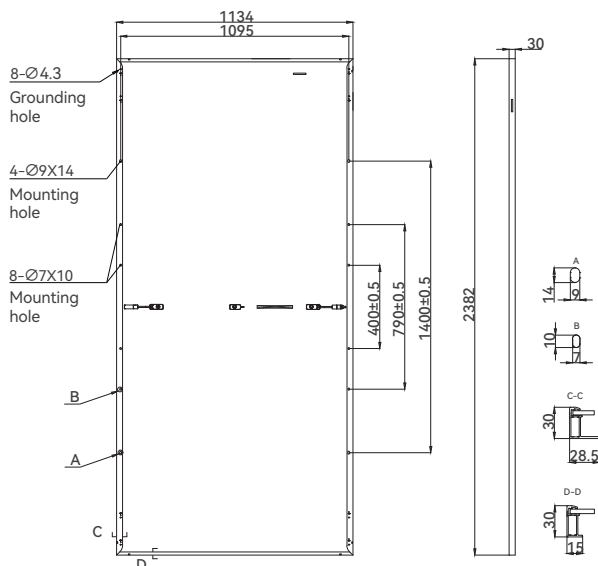
|                                             |            |
|---------------------------------------------|------------|
| Temperature coefficient (Pmpp)              | -0.29%/°C  |
| Temperature coefficient (Isc)               | +0.043%/°C |
| Temperature coefficient (Voc)               | -0.24%/°C  |
| 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        | 25A       |
| Operational temperature        | -40~+85°C |



## MECHANICAL PARAMETERS



|                                    |                                                          |
|------------------------------------|----------------------------------------------------------|
| Outer dimensions (L x W x H)       | 2382 x 1134 x 30 mm                                      |
| Cell                               | N type mono-crystalline                                  |
| Number of cells                    | 132 (6*22)                                               |
| Frame Type                         | Aluminum, silver anodized                                |
| Glass thickness                    | 3.2 mm                                                   |
| Cable length (including connector) | Portrait: ( + )300 mm, ( - )300 mm;<br>Customized length |
| Cable cross-sectional area (IEC)   | 4 mm <sup>2</sup> / 12 AWG                               |
| ① Maximum test mechanical load     | 5400Pa (front) /2400Pa(rear)                             |
| Connector type (IEC)               | PV-HYC11xyz(standard)/MC4 EVO2(optional)                 |
| Module weight                      | 28.8 kg                                                  |
| Packaging unit                     | 36 pcs / box                                             |
| Weight of packing unit             | 1097 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.