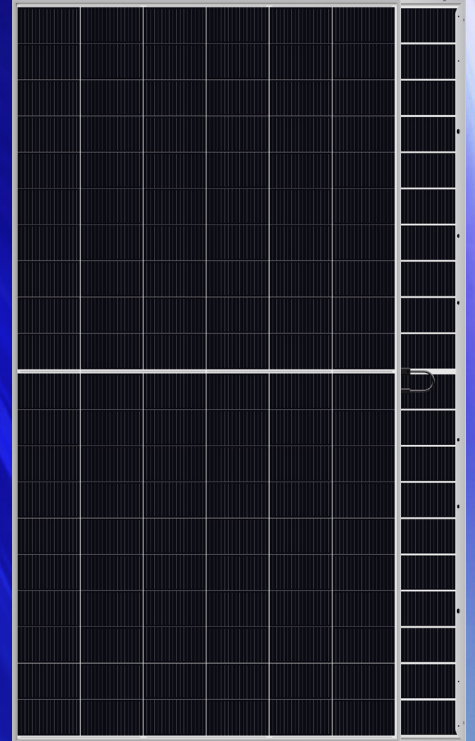










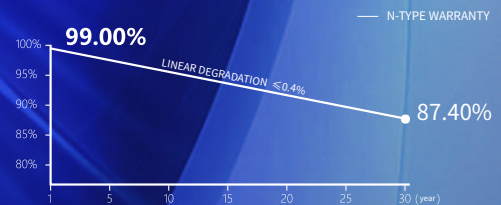



**545~565W**

**HY-NT11/60GDF**



-  Module Efficiency up to 22.9%
-  Zero LID
-  SMBB + Half-cell tech, reduce internal current loss, improve module efficiency, minimize micro-crack impacts, and improve module reliability
-  Non-destructive Slicing Tech, reduce micro-crack risk
-  Lower temperature coefficient (-0.29%/°C), lower operating temperature, increase the power generation
-  Excellent low irradiance performance, higher power output
-  85% Bifaciality rate up to 80-85%, and up to 30% power gain from back side (depending on albedo)
-  Resistant to harsh environments
-  Anti PID
-  More energy yield, lower BOS and LCOE



-  15-YEAR PRODUCT WORKMANSHIP WARRANTY
-  30-YEAR LINEAR POWER WARRANTY

**Comprehensive Products and System Certificates**

IEC 61215, IEC 61730  
ISO 9001:2015 Quality management systems  
ISO 14001:2015 Environmental management systems  
ISO 45001:2018 Occupational health and safety management systems



## Electrical performance parameters

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

| Rated output (P <sub>mpp</sub> / Wp)        | 545   | 550   | 555   | 560   | 565   |
|---|-------|-------|-------|-------|-------|
| Rated voltage (V <sub>mpp</sub> / V)        | 36.50 | 36.70 | 36.90 | 37.10 | 37.30 |
| Rated current (I <sub>mpp</sub> / A)        | 14.94 | 14.99 | 15.05 | 15.10 | 15.15 |
| Open circuit voltage (V <sub>oc</sub> / V)  | 43.60 | 43.80 | 44.00 | 44.20 | 44.40 |
| Short-circuit current (I <sub>sc</sub> / A) | 15.77 | 15.81 | 15.85 | 15.89 | 15.93 |
| Module efficiency                           | 22.1% | 22.3% | 22.5% | 22.7% | 22.9% |
| Power tolerance                             | 0~+5W |       |       |       |       |

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

| Rated output (P <sub>mpp</sub> / Wp)        | 416.2 | 420.4 | 424.6 | 428.8 | 433.0 |
|---|-------|-------|-------|-------|-------|
| Rated voltage (V <sub>mpp</sub> / V)        | 34.23 | 34.43 | 34.63 | 34.83 | 35.03 |
| Rated current (I <sub>mpp</sub> / A)        | 12.16 | 12.21 | 12.26 | 12.31 | 12.36 |
| Open circuit voltage (V <sub>oc</sub> / V)  | 41.21 | 41.41 | 41.61 | 41.81 | 42.01 |
| Short-circuit current (I <sub>sc</sub> / A) | 12.78 | 12.83 | 12.88 | 12.93 | 12.98 |

## Different rear power gains (555W as an example)

| Power gains P <sub>mpp</sub> / Wp | V <sub>mpp</sub> /V | I <sub>mpp</sub> /A | V <sub>oc</sub> / V | I <sub>sc</sub> /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 |

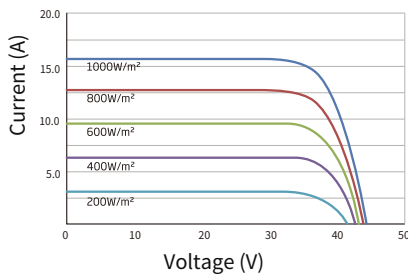
## Temperature coefficient

|   |            |
|---|------------|
| Temperature coefficient (P <sub>mpp</sub> ) | -0.29%/°C  |
| Temperature coefficient (I <sub>sc</sub> )  | +0.043%/°C |
| Temperature coefficient (V <sub>oc</sub> )  | -0.24%/°C  |
| Nominal module operating temperature (NMOT) | 42±2°C     |

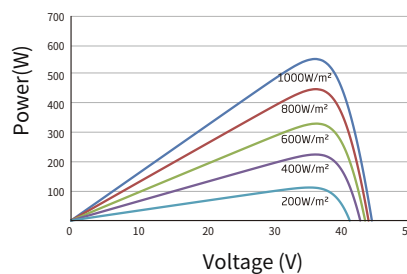
## Operating parameters

|                                |                     |
|--------------------------------|---------------------|
| Max. system voltage (IEC)      | 1500V <sub>oc</sub> |
| Number of diodes               | 3                   |
| Junction box protection rating | IP 68               |
| Max. series fuse rating        | 35A                 |
| Operational temperature        | -40~+85°C           |
| Bifaciality rate               | 80±5%               |

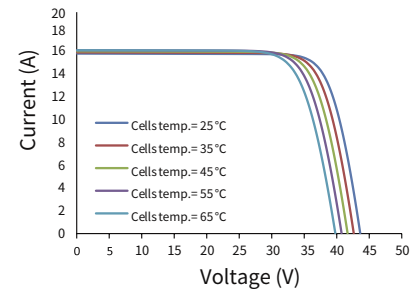
Current-Voltage (555W)



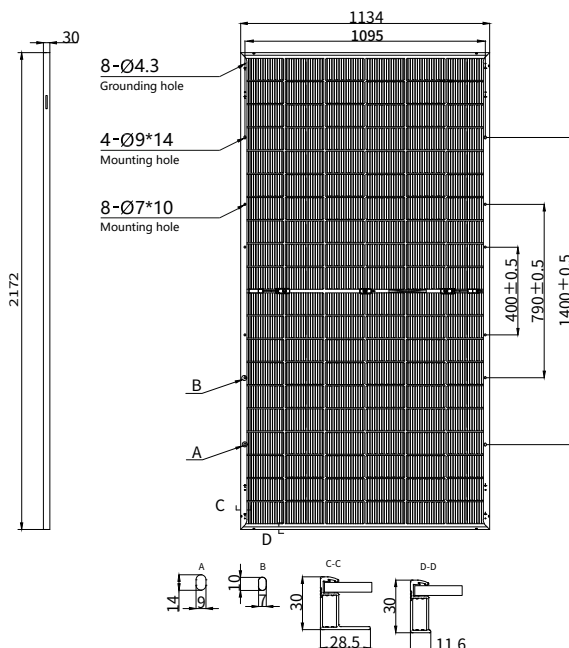
Power-Voltage (555W)



Current-Voltage (555W)



## Mechanical parameters



|                                    |  |
|------------------------------------|--|
| Outer dimensions (L x W x H)       | 2172 × 1134 × 30mm                                 |
| 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 <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                      | 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.