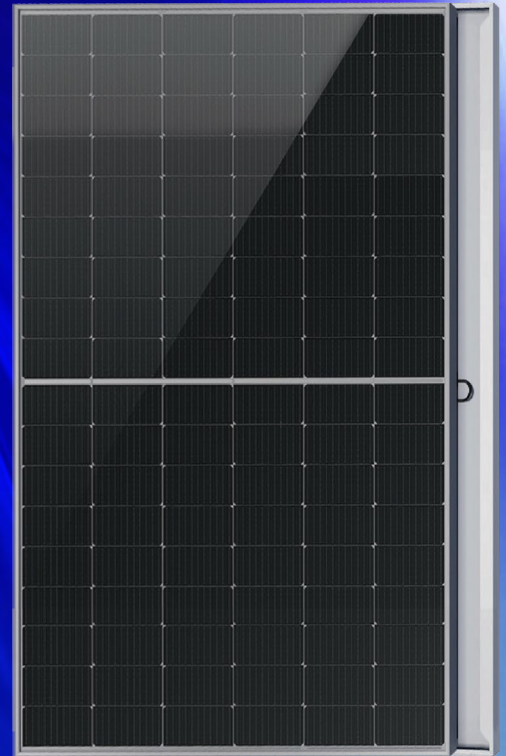









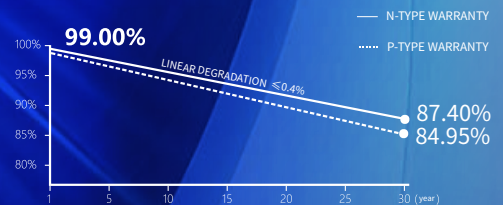


480~500W

HY-NT11/54H



-  Module Efficiency up to 22.5%
-  LID 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
-  Resistant to harsh environments
-  Anti PID
-  More energy yield, lower BOS and LCOE



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

Subject to the terms and conditions contained in the applicable HY Solar Limited Warranty Statement. Also this 30-year limited product warranty is available only for products installed and operating on residential rooftops in certain regions.

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/m², Cell Temperature 25° C, AM=1.5

| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp) | 480 | 485 | 490 | 495 | 500 |
| Rated voltage (Vmpp / V) | 32.56 | 32.76 | 32.96 | 33.16 | 33.36 |
| Rated current (Impp / A) | 14.75 | 14.81 | 14.87 | 14.93 | 14.99 |
| Open circuit voltage (Voc / V) | 38.86 | 39.06 | 39.26 | 39.46 | 39.66 |
| Short-circuit current (Isc / A) | 15.65 | 15.70 | 15.75 | 15.80 | 15.85 |
| Module efficiency | 21.6% | 21.8% | 22.0% | 22.2% | 22.5% |
| Power tolerance | 0~+5W | | | | |

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

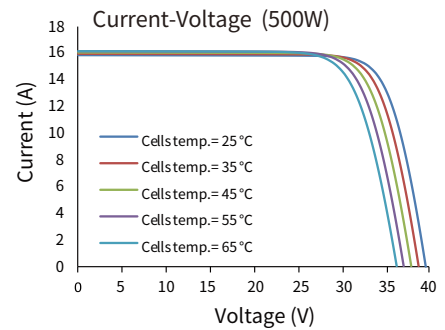
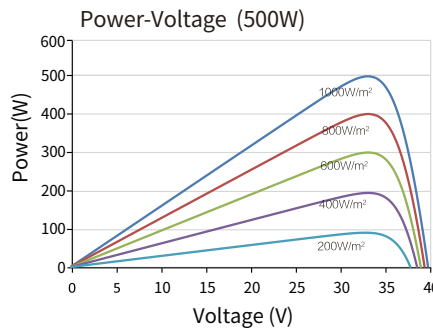
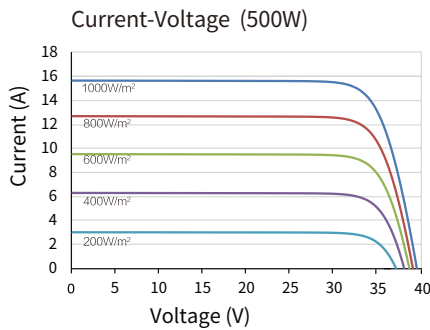
| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp) | 365.0 | 369.3 | 373.5 | 377.8 | 382.1 |
| Rated voltage (Vmpp / V) | 30.42 | 30.62 | 30.82 | 31.02 | 31.22 |
| Rated current (Impp / A) | 12.00 | 12.06 | 12.12 | 12.18 | 12.24 |
| Open circuit voltage (Voc / V) | 36.70 | 36.90 | 37.10 | 37.30 | 37.50 |
| Short-circuit current (Isc / A) | 12.61 | 12.66 | 12.71 | 12.76 | 12.81 |

Temperature Ratings (STC)

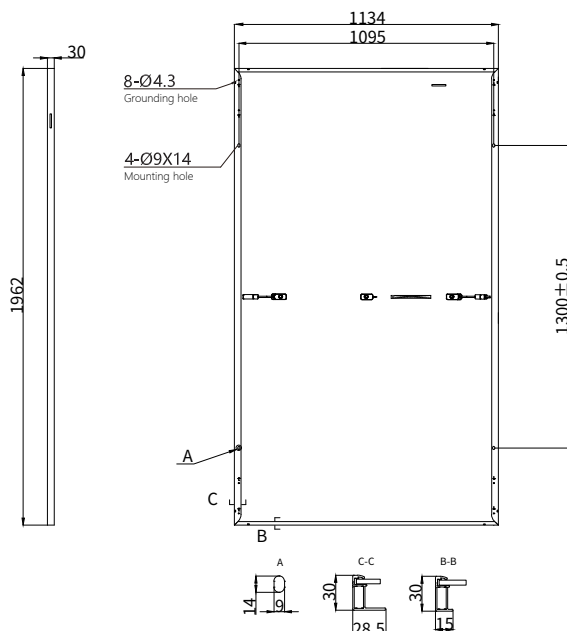
| | |
|---|------------|
| Temperature coefficient (Pmpp) | -0.29%/°C |
| Temperature coefficient (Isc) | +0.043%/°C |
| Temperature coefficient (Voc) | -0.24%/°C |
| Nominal module operating temperature (NMOT) | 42±2°C |

Operating Parameters

| | |
|---------------------------|---------------------|
| Max. system voltage (IEC) | 1500V _{DC} |
| Number of diodes | 3 |
| Junction box IP rating | IP 68 |
| Max. series fuse rating | 30A |
| Operational temperature | -40~+85°C |



Mechanical parameters



| | |
|------------------------------------|---|
| Outer dimensions (L x W x H) | 1962 × 1134 × 30mm |
| Cell | N type mono-crystalline |
| Number of cells | 108 (6*18) |
| Frame type | Aluminum, silver anodized |
| Glass thickness | 3.2 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 | 24.1 kg |
| Packaging unit | 36 pcs / box |
| Weight of packing unit | 923 kg / box |
| Modules per 40' HQ container | 792 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.