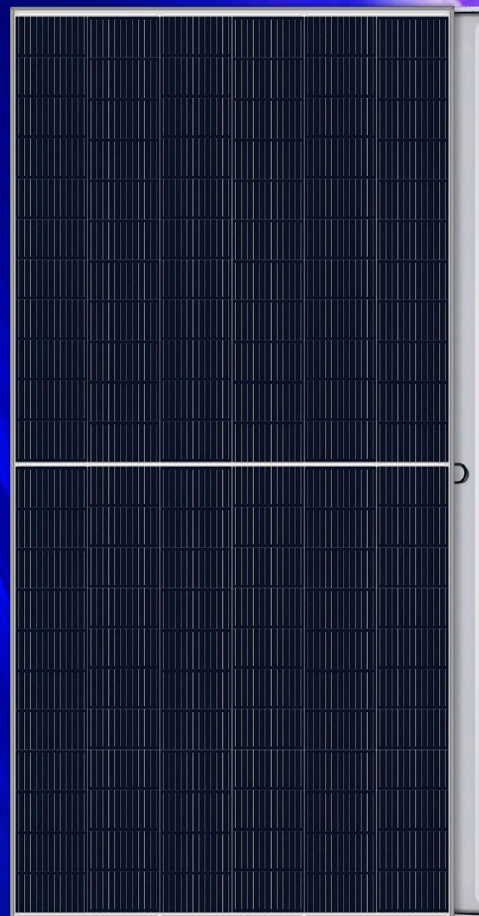









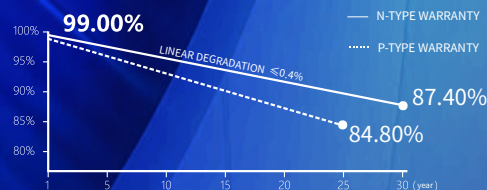




690~710W

HY-NT12/66H



-  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
-  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/m², Cell Temperature 25° C, AM=1.5

| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp) | 690 | 695 | 700 | 705 | 710 |
| Rated voltage (Vmpp / V) | 39.55 | 39.75 | 39.95 | 40.15 | 40.35 |
| Rated current (Impp / A) | 17.45 | 17.49 | 17.53 | 17.56 | 17.60 |
| Open circuit voltage (Voc / V) | 48.03 | 48.23 | 48.43 | 48.63 | 48.83 |
| Short-circuit current (Isc / A) | 18.25 | 18.29 | 18.33 | 18.37 | 18.41 |
| Module efficiency | 22.2% | 22.4% | 22.5% | 22.7% | 22.9% |
| Power tolerance | 0~+5W | | | | |

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

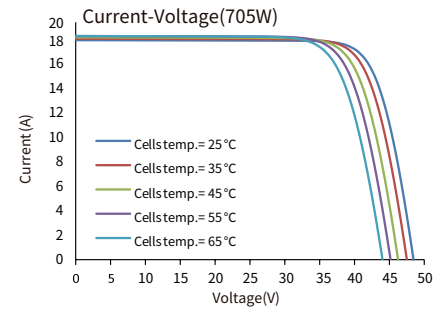
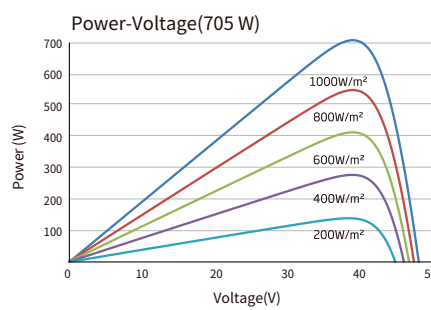
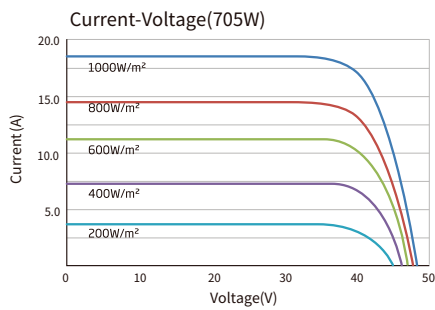
| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Rated output (Pmpp / Wp) | 522.1 | 525.1 | 528.9 | 532.8 | 537.5 |
| Rated voltage (Vmpp / V) | 37.21 | 37.32 | 37.51 | 37.71 | 37.93 |
| Rated current (Impp / A) | 14.03 | 14.07 | 14.10 | 14.13 | 14.17 |
| Open circuit voltage (Voc / V) | 45.69 | 45.89 | 46.09 | 46.29 | 46.49 |
| Short-circuit current (Isc / A) | 14.68 | 14.71 | 14.74 | 14.77 | 14.80 |

Temperature Ratings (STC)

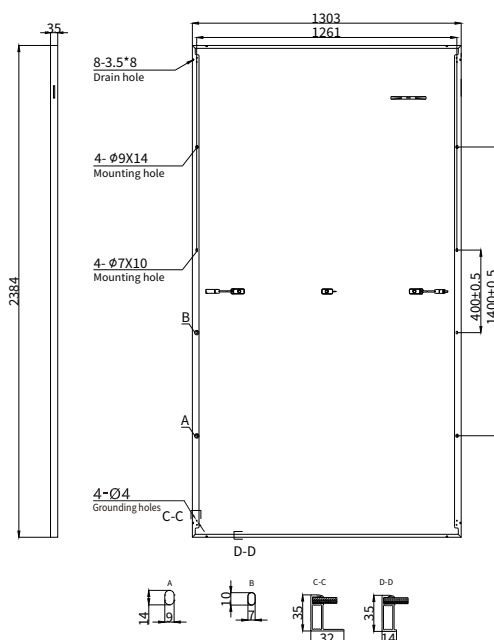
| | |
|---|------------|
| Temperature coefficient (Pmpp) | -0.29%/°C |
| Temperature coefficient (Isc) | +0.043%/°C |
| Temperature coefficient (Voc) | -0.24%/°C |
| Nominal module operating temperature (NMOT) | 42±2°C |

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) | 2384 x 1303 x 35 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; Customized length |
| Cable cross-sectional area (IEC) | 4 mm ² / 12 AWG |
| ① Maximum test mechanical load | 5400Pa (front) / 2400Pa (rear) |
| Connector type (IEC) | MC4 EVO2 compatible/MC4 EVO2 |
| Module weight | 34.5 kg |
| Packaging unit | 31 pcs / box |
| Weight of packing unit | 1140kg / box |
| Modules per 40' HQ container | 558 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.