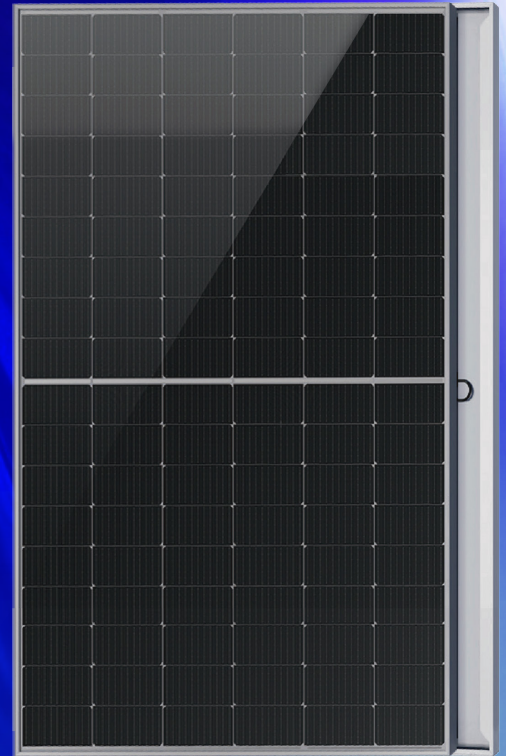









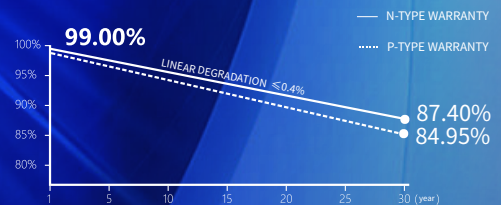


# 480~500W

## HY-NT11/54H



-  Module Efficiency up to 22.5%
-  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/m<sup>2</sup>, 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/m<sup>2</sup>, Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

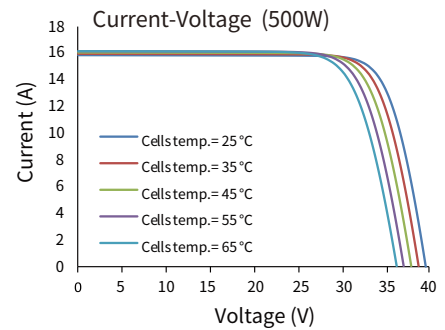
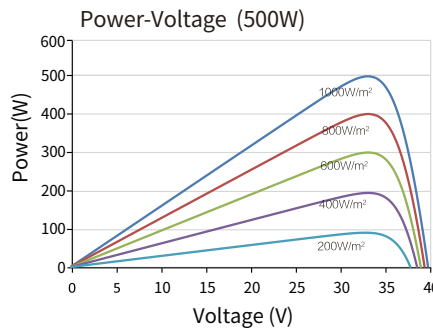
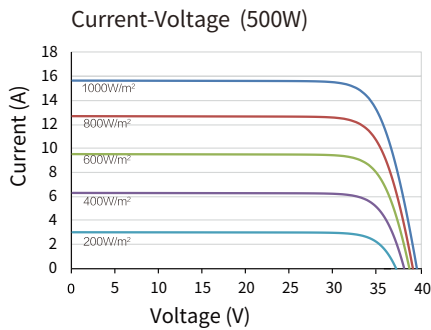
Rated output (Pmpp / Wp)	365.0	369.3	373.5	377.8	382.1
Rated voltage (Vmpp / V)	30.42	30.62	30.82	31.02	31.22
Rated current (Impp / A)	12.00	12.06	12.12	12.18	12.24
Open circuit voltage (Voc / V)	36.70	36.90	37.10	37.30	37.50
Short-circuit current (Isc / A)	12.61	12.66	12.71	12.76	12.81

## Temperature Ratings (STC)

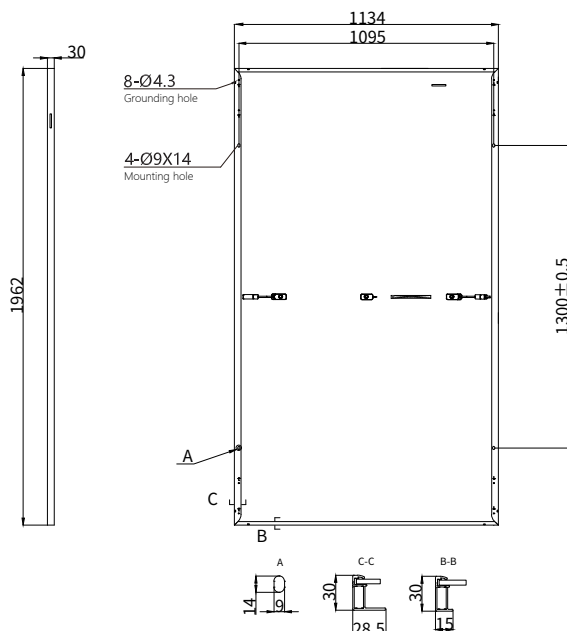
Temperature coefficient (Pmpp)	-0.29%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

## Operating Parameters

Max. system voltage (IEC)	1500V <sub>DC</sub>
Number of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	25A
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 <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	24.1 kg
Packaging unit	36 pcs / box
Weight of packing unit	923 kg / box
Modules per 40' HQ container	864 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.