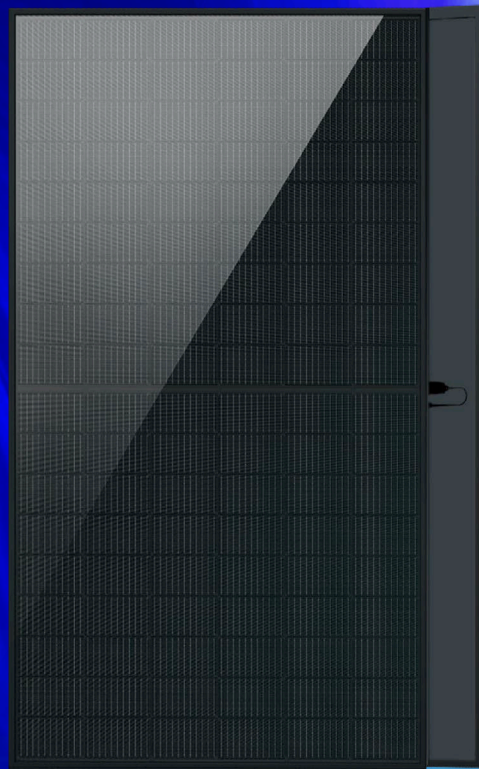


HT 182 TOPCon

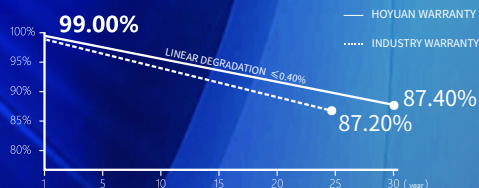
Monofacial Series  
Full Black

425~435W

HY-NT10/54BH (425~435W)



- Module Efficiency up to 22.3%
- 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
- All black Aesthetics Module



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.



## Electrical performance parameters

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

Rated output (P <sub>mpp</sub> / Wp)	HY-NT10/54BH 425	HY-NT10/54BH 430	HY-NT10/54BH 435
Rated voltage (V <sub>mpp</sub> / V)	32.25	32.46	32.66
Rated current (I <sub>mpp</sub> / A)	13.18	13.25	13.32
Open circuit voltage (V <sub>oc</sub> / V)	38.54	38.70	38.85
Short-circuit current (I <sub>sc</sub> / A)	13.90	13.97	14.04
Module efficiency	21.8%	22.0%	22.3%
Power sorting tolerance	0~+5W		

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

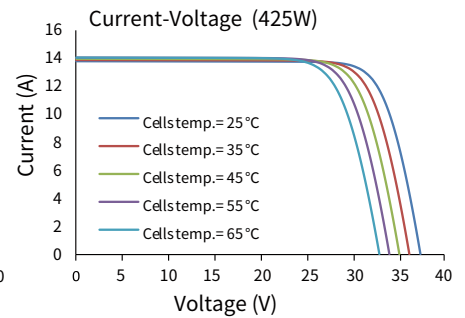
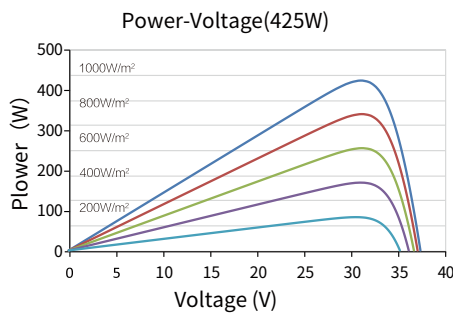
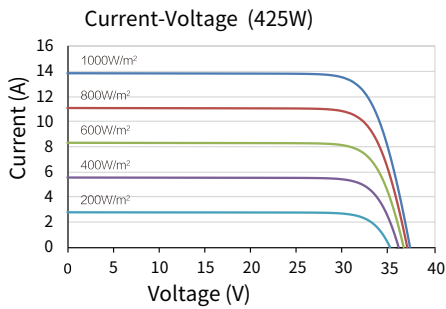
Rated output (P <sub>mpp</sub> / Wp)	319.5	323.6	327.9
Rated voltage (V <sub>mpp</sub> / V)	30.31	30.53	30.73
Rated current (I <sub>mpp</sub> / A)	10.54	10.60	10.67
Open circuit voltage (V <sub>oc</sub> / V)	36.56	36.71	36.85
Short-circuit current (I <sub>sc</sub> / A)	11.21	11.27	11.34

## Temperature Ratings (STC)

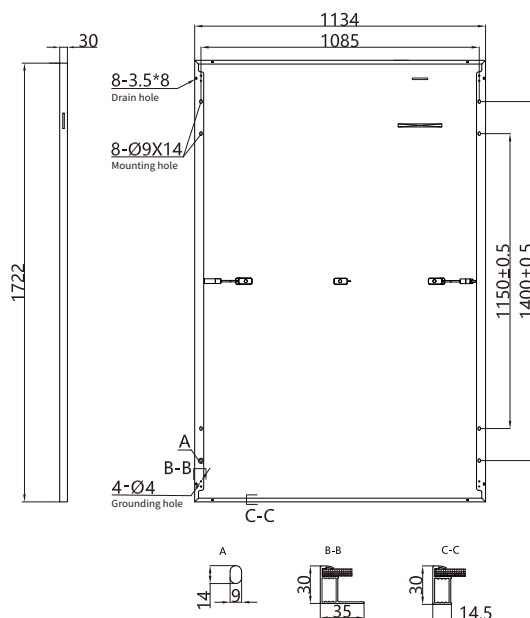
Temperature coefficient (P <sub>mpp</sub> )	-0.29%/°C
Temperature coefficient (I <sub>sc</sub> )	+0.043%/°C
Temperature coefficient (V <sub>oc</sub> )	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

## Operating Parameters

Max. system voltage (IEC)	1500V <sub>dc</sub>
Number of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	25 A
Operational temperature	-40~+85°C
Fire class rating	Class C



## Mechanical parameters



Outer dimensions (L x W x H)	1722 x 1134 x 30 mm
Cell	N type mono-crystalline
Number of cells	108 (6*18)
Frame type	Aluminum, black 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
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	QC Solar: QC4.10-cds Sunter: PV-ZH202B XTong: PV-XT101.1, PV-XT101.2 Stäubli: PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR or PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy
Module weight	21.3 kg
Packaging unit	36 pcs / box (Subject to sales contract)
Weight of packing unit	810 kg / box
Modules per 40' HQ container	936 pcs

\*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.  
\*Manufactured and assembled in China.

① Please refer to the installation manual or contact us to confirm.  
The maximum test mechanical load = 1.5× maximum design mechanical load.