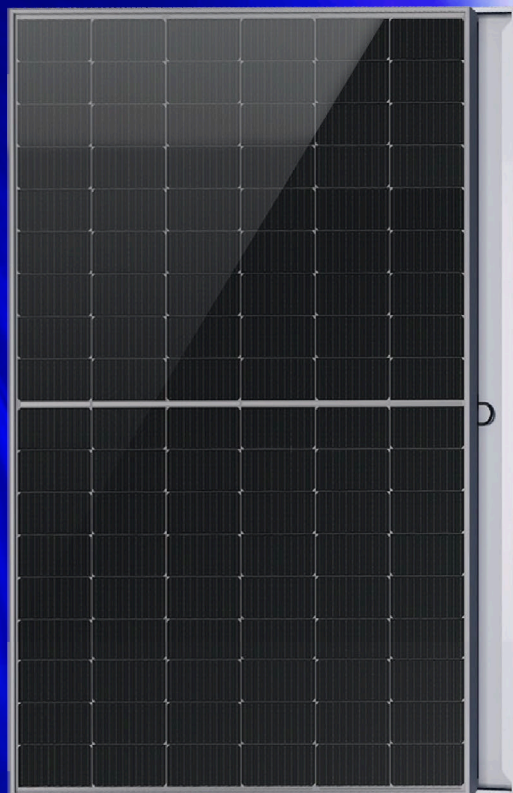


HT 182 TOPCon

Monofacial Series

430~440W

HY-NT10/54H (430~440W)



Module Efficiency up to 22.5%



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



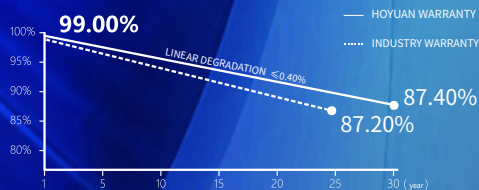
Resistant to harsh environments



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.



Electrical performance parameters

*STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (P _{mpp} / Wp)	HY-NT10/54H 430	HY-NT10/54H 435	HY-NT10/54H 440
Rated voltage (V _{mpp} / V)	32.46	32.66	32.86
Rated current (I _{mpp} / A)	13.25	13.32	13.39
Open circuit voltage (V _{oc} / V)	38.70	38.85	38.99
Short-circuit current (I _{sc} / A)	13.97	14.04	14.10
Module efficiency	22.0%	22.3%	22.5%
Power sorting tolerance	0~+5W		

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

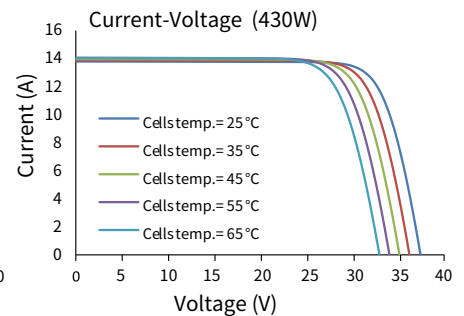
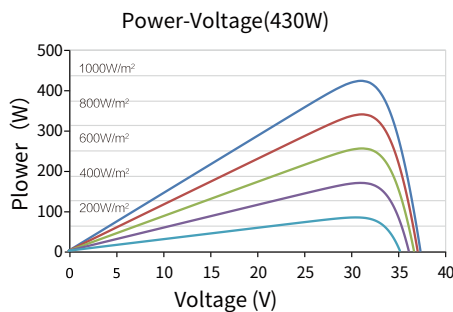
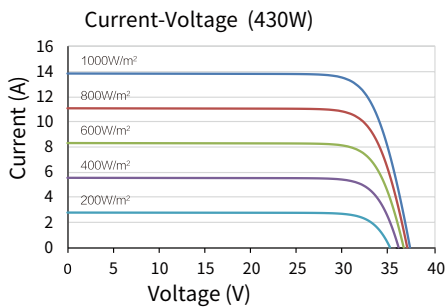
Rated output (P _{mpp} / Wp)	323.6	327.9	331.7
Rated voltage (V _{mpp} / V)	30.53	30.73	30.91
Rated current (I _{mpp} / A)	10.60	10.67	10.73
Open circuit voltage (V _{oc} / V)	36.71	36.85	37.00
Short-circuit current (I _{sc} / A)	11.27	11.34	11.40

Temperature Ratings (STC)

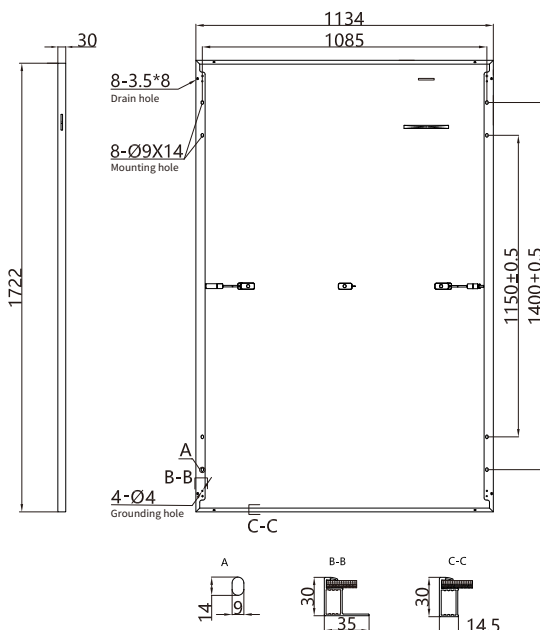
Temperature coefficient (P _{mpp})	-0.29%/°C
Temperature coefficient (I _{sc})	+0.043%/°C
Temperature coefficient (V _{oc})	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

Operating Parameters

Max. system voltage (IEC)	1500V _{DC}
Number of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	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, silver/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 ² / 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.