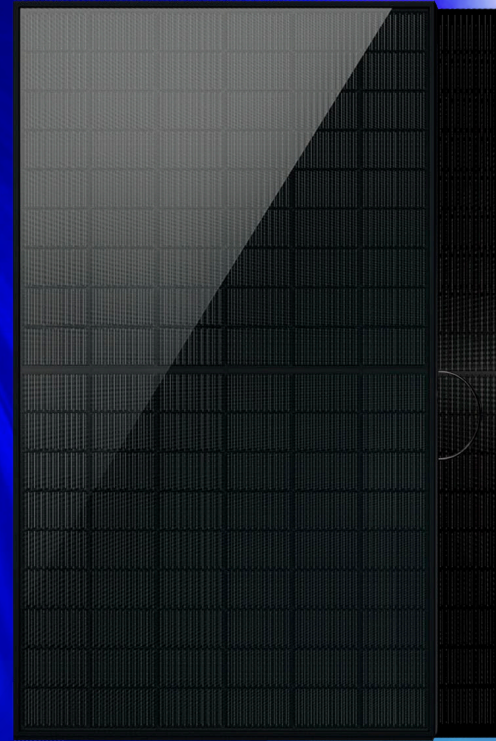


HT 182 TOPCon

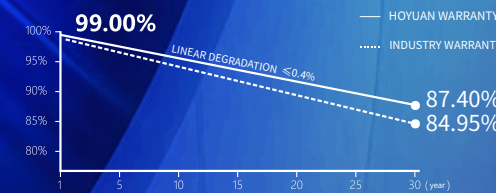
Bifacial Series
Full Black

425~435W

HY-NT10/54BGDF (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
- Bifaciality rate up to 80-85%, and up to 30% power gain from back side (depending on albedo)
- 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.



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The product specifications are subject to change without prior notice.
Please use our latest version.

Electrical performance parameters

Electrical Specification (STC) : Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

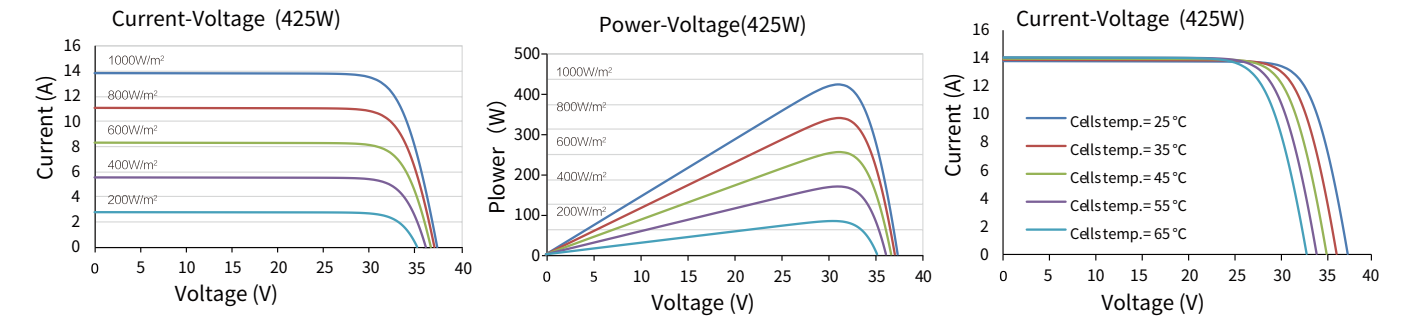
	HY-NT10/54BGDF	HY-NT10/54BGDF	HY-NT10/54BGDF
Rated output (Pmpp / Wp)	425	430	435
Rated voltage (Vmpp / V)	32.42	32.63	32.84
Rated current (Impp / A)	13.11	13.18	13.25
Open circuit voltage (Voc / V)	38.60	38.76	38.92
Short-circuit current (Isc / A)	13.83	13.90	13.97
Module efficiency	21.8%	22.0%	22.3%
Power sorting tolerance	0~+5W		

Electrical Specification (BNPI) : Ef=1000W/m², Er=135W/m², AM=1.5, Tc=25°C
Bifaciality Coefficients: φPmax: 80±10%, φVoc: 100±3%, φIsc: 80±10%

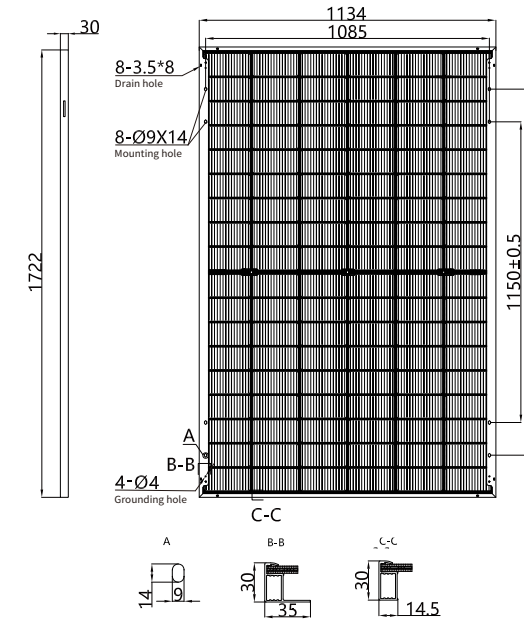
	471	476	482
Rated output (Pmpp / Wp)	471	476	482
Rated voltage (Vmpp / V)	32.42	32.63	32.84
Rated current (Impp / A)	14.53	14.60	14.68
Open circuit voltage (Voc / V)	38.60	38.76	38.92
Short-circuit current (Isc / A)	15.32	15.40	15.48

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

	319.9	323.8	327.4
Rated output (Pmpp / Wp)	319.9	323.8	327.4
Rated voltage (Vmpp / V)	30.44	30.63	30.83
Rated current (Impp / A)	10.51	10.57	10.62
Open circuit voltage (Voc / V)	36.67	36.82	36.97
Short-circuit current (Isc / A)	11.09	11.14	11.20



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	2.0+2.0 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	23.7 kg
Packaging unit	36 pcs / box (Subject to sales contract)
Weight of packing unit	896 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.