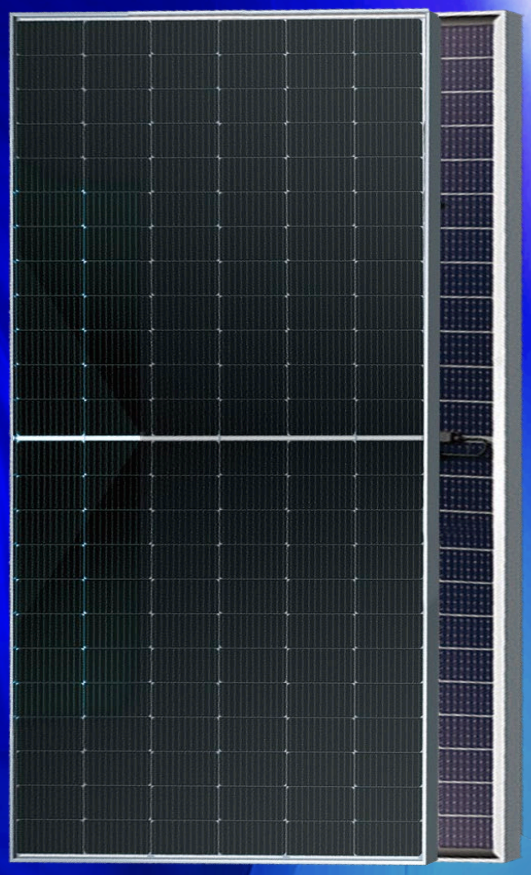
HT 182 TOPCon
Bifacial Series

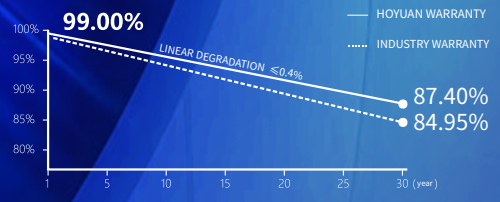
HYSOLAR

565~585W

HY-NT10/72GDF



- Module Efficiency up to 22.6%
- 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
- 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



- 15-YEAR PRODUCT WORKMANSHIP WARRANTY
- 30-YEAR LINEAR POWER WARRANTY

Electrical performance parameters

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

Rated output (Pmpp / Wp)	565	570	575	580	585
Rated voltage (Vmpp / V)	43.15	43.35	43.56	43.75	43.96
Rated current (Impp /A)	13.09	13.15	13.20	13.26	13.31
Open circuit voltage (Voc / V)	51.44	51.60	51.75	51.90	52.05
Short-circuit current (Isc /A)	13.83	13.89	13.95	14.01	14.07
Module efficiency	21.9%	22.1%	22.3%	22.5%	22.6%
Power tolerance		0~+5W			

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

Rated output (Pmpp / Wp)	425.2	428.9	432.9	436.6	440.8
Rated voltage (Vmpp / V)	40.53	40.73	40.92	41.11	41.31
Rated current (Impp /A)	10.49	10.53	10.58	10.62	10.67
Open circuit voltage (Voc / V)	48.86	49.01	49.15	49.30	49.45
Short-circuit current (Isc /A)	11.16	11.21	11.26	11.31	11.36

Different rear power gains

(570W as an example)

Power gains	Pmpp/ Wp	Vmpp/V	Impp/A	Voc / V	Isc/A
5%	599	43.35	13.81	51.60	14.58
15%	656	43.35	15.12	51.60	15.97
25%	713	43.35	16.44	51.60	17.36

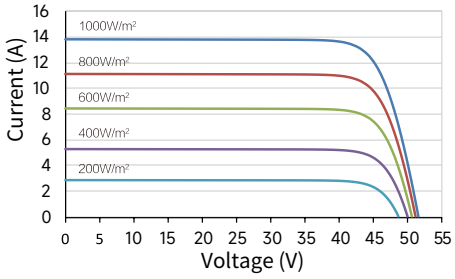
Temperature coefficient

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

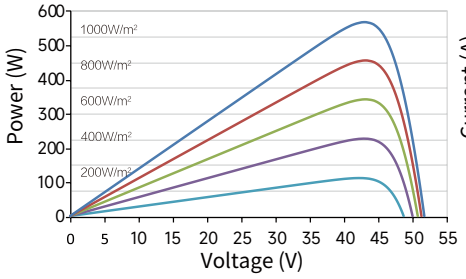
Operating parameters

Max. system voltage (IEC/UL)	1500V$_{DC}$
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	30 A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%

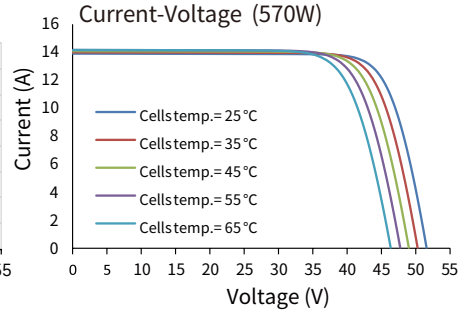
Current-Voltage (570W)



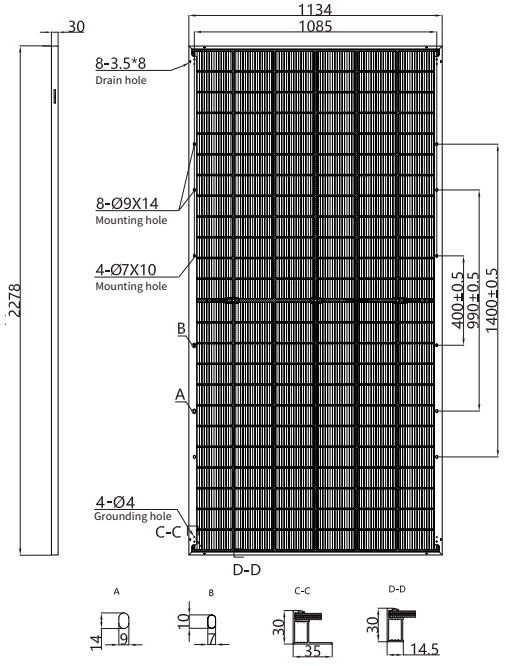
Power-Voltage (570W)



Current-Voltage (570W)



Mechanical parameters



Outer dimensions (L x W x H)	2278 x 1134 x 30 mm
Cell	N type mono-crystalline
Number of cells	144 (6*24)
Frame Type	Aluminum, silver anodized
Glass thickness	2.0+2.0 mm
Cable length (including connector)	Portrait: (+)300 mm,(-)300 mm; Customized length
Cable cross-sectional area (IEC/UL)	4 mm² / 12 AWG
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC/UL)	MC4 EVO2 compatible/ MC4 EVO2 original (optional)
Module weight	32.1 kg
Packaging unit	36 pcs / box (Subject to sales contract)
Weight of packing unit	1215kg / box
Modules per 40' HQ container	720 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 pratical testing. Power Measurement Tolerance ±3% under STC standard.