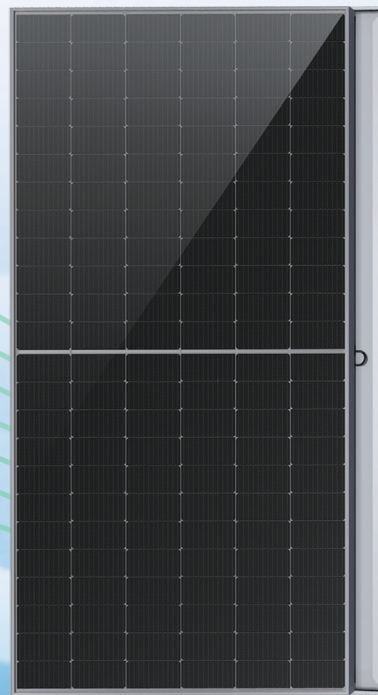


HT¹⁸² TOPCon

Monofacial Series

595~615W

HY-NT10/72H



Main Features



N-TYPE TOPCON TECH

- Lower LID
- Excellent Low Irradiance Performance



SMBB + HALF-CELL TECH NON-DESTRUCTIVE CUTTING

- Reduced Internal Current Loss
- Minimized Micro-Crack Impact



HIGH RELIABILITY

- Salt Mist Resistance, Ammonia Resistance, Sand & Dust Resistance
- Anti-PID



HIGH CONVERSION EFFICIENCY

- Module Conversion Efficiency Up to 23.8%



SUPERIOR POWER GENERATION PERFORMANCE

- Low Temperature Coefficient: $-0.29\%/^{\circ}\text{C}$
- Lower Operating Temperature

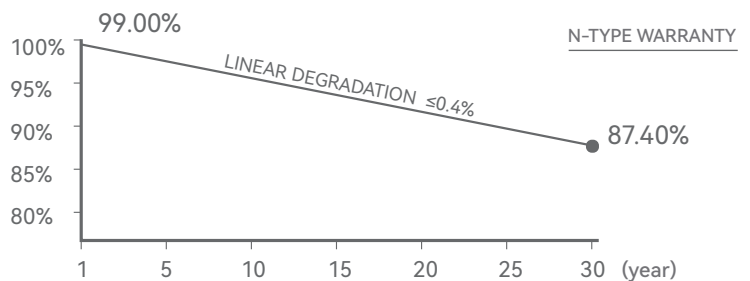


LOWER LEVELIZED COST OF ELECTRICITY

- Lower BOS and LCOE
- Higher ROI

Comprehensive Products and System Certificates

- IEC 61215, IEC 61730
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018



15 YEAR

Product Workmanship Warrant

30 YEAR

Linear Power Warranty

≤1%

First - year power attenuation

≤0.4%

Linear power attenuation



HONGYUAN GREEN ENERGY CO.,LTD.

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



Group Headquarter: Building 7, Changguangxi Wetland Park, Lihu Avenue, Binhu District, Wuxi City, Jiangsu Province, China



Tel: +86 0510-85958787



E-mail: info@hysolar.com



Web: <https://www.hysolar.com>

N-Type Monofacial Series HY-NT10/72H

595~615W
POWER RANGE

23.8%
EFFICIENCY

0~+5W
POWER SORTING

ELECTRICAL PERFORMANCE PARAMETERS

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

Rated output (Pmpp/Wp)	595	600	605	610	615
Rated voltage (Vmpp/V)	44.15	44.35	44.53	44.73	44.93
Rated current (Impp/A)	13.48	13.53	13.59	13.64	13.69
Open circuit voltage (Voc/V)	52.30	52.47	52.66	52.86	53.06
Short-circuit current (Isc/A)	14.20	14.26	14.31	14.36	14.41
Module efficiency	23.0%	23.2%	23.4%	23.6%	23.8%

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

Rated output (Pmpp/Wp)	449.1	452.9	456.8	460.6	464.2
Rated voltage (Vmpp/V)	41.51	41.70	41.87	42.06	42.24
Rated current (Impp/A)	10.82	10.86	10.91	10.95	10.99
Open circuit voltage (Voc/V)	49.68	49.84	50.02	50.21	50.40
Short-circuit current (Isc/A)	11.49	11.53	11.58	11.62	11.66

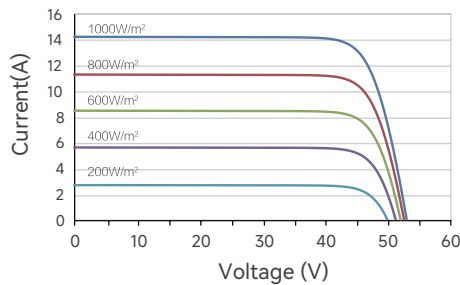
TEMPERATURE COEFFICIENT

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

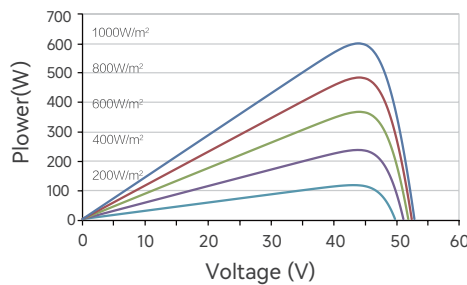
OPERATING PARAMETERS

Max. system voltage (IEC)	1500VDC
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	25A
Operational temperature	-40~+85°C

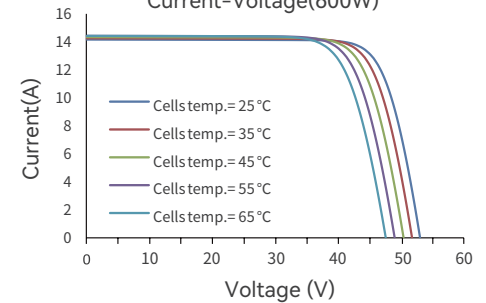
Current-Voltage(600W)



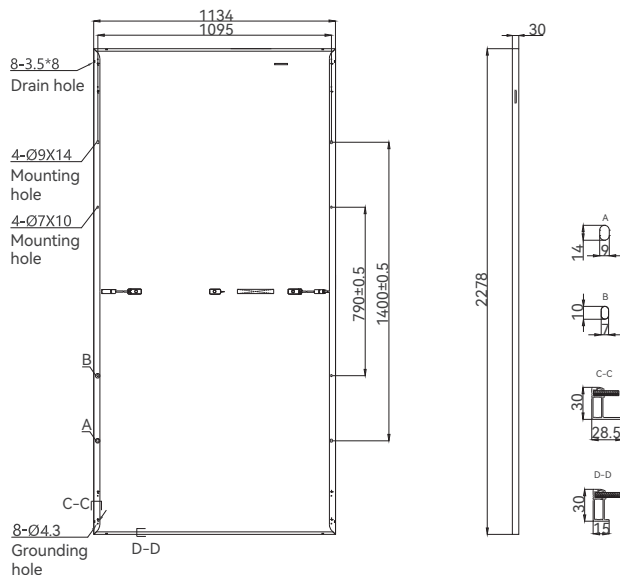
Power-Voltage(600W)



Current-Voltage(600W)



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	3.2 mm
Cable length (including connector)	Portrait: (+)300 mm,(-)300 mm; Customized length
Cable cross-sectional area (IEC)	4 mm ² / 12 AWG
① Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	PV-HYC11xyz(standard)/MC4 EVO2(optional)
Module weight	27.2 kg
Packaging unit	36 pcs / box
Weight of packing unit	1040 kg / 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 practical testing. Power Measurement Tolerance ±3% under STC standard.