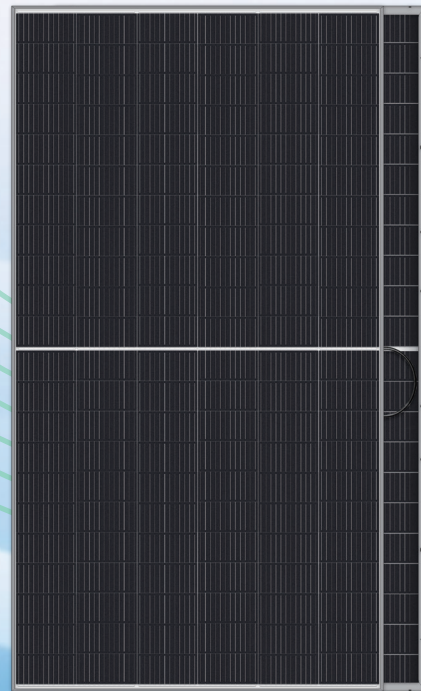


HT²¹⁰ TOPCon

Bifacial Series

705~725W

HY-NT12/66GDF



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 23.3%
- Bifaciality Rate Up to 80-85%



SUPERIOR POWER GENERATION PERFORMANCE

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

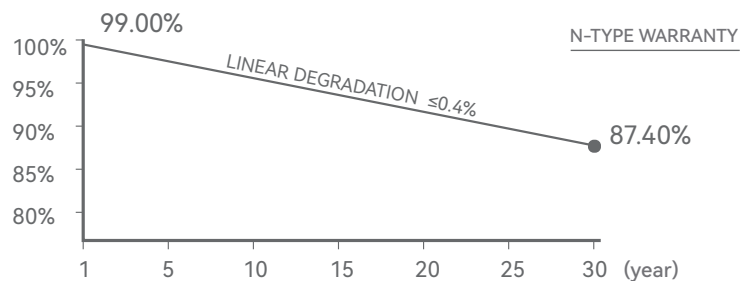


LOWER LEVELIZED COST OF ELECTRICITY

- 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.



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E-mail: info@hysolar.com



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

N-Type Bifacial Series HY-NT12/66GDF

705~725W
POWER RANGE

23.3%
EFFICIENCY

0~+5W
POWER SORTING

ELECTRICAL PERFORMANCE PARAMETERS

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

Rated output (Pmpp/Wp)	705	710	715	720	725
Rated voltage (Vmpp/V)	40.27	40.47	40.67	40.87	41.07
Rated current (Impp/A)	17.51	17.55	17.59	17.62	17.66
Open circuit voltage (Voc/V)	48.66	48.86	49.06	49.26	49.46
Short-circuit current (Isc/A)	18.34	18.38	18.42	18.46	18.50
Module efficiency	22.7%	22.9%	23.0%	23.2%	23.3%

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

Rated output (Pmpp/Wp)	534.8	538.6	542.5	546.3	550.2
Rated voltage (Vmpp/V)	37.93	38.12	38.31	38.50	38.69
Rated current (Impp/A)	14.10	14.13	14.16	14.19	14.22
Open circuit voltage (Voc/V)	46.32	46.52	46.72	46.92	47.12
Short-circuit current (Isc/A)	14.76	14.79	14.82	14.85	14.88

DIFFERENT REAR POWER GAINS (715W)

Power gains	Pmpp/Wp	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	751	40.67	18.46	49.06	19.34
15%	822	40.67	20.22	49.06	21.18
25%	894	40.67	21.98	49.06	23.03

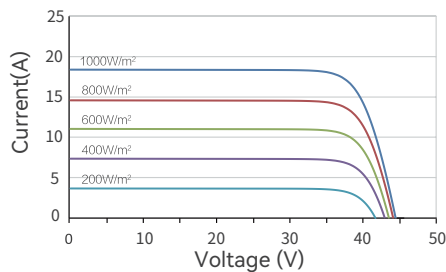
TEMPERATURE COEFFICIENT

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

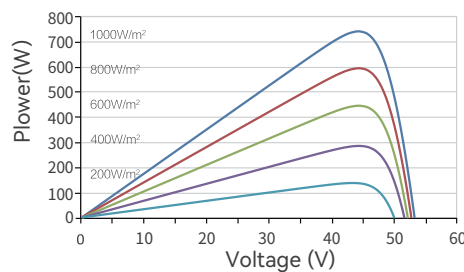
OPERATING PARAMETERS

Max. system voltage (IEC)	1500Vdc
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	35A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%

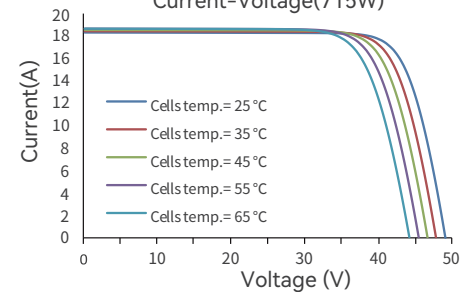
Current-Voltage(715W)



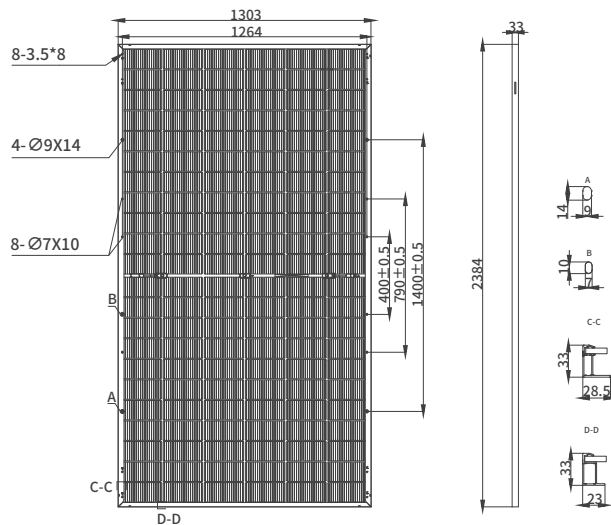
Power-Voltage(715W)



Current-Voltage(715W)



MECHANICAL PARAMETERS



Outer dimensions (L x W x H)	2384 x 1303 x 33 mm
Cell	N type mono-crystalline
Number of cells	132 (6*22)
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)	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	38.3kg
Packaging unit	33 pcs / box
Weight of packing unit	1334 kg / box
Modules per 40' HQ container	594 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.