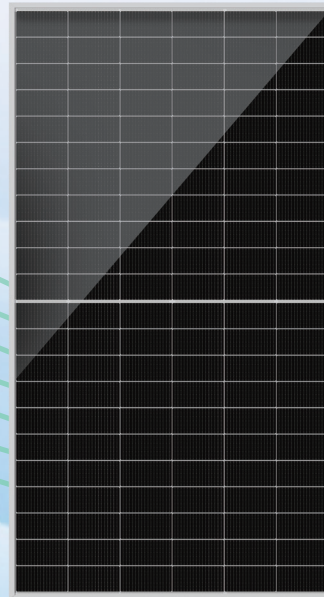


HT^{210N} TOPCon Bifacial Series

715~735W

HY-NT12/66GDF



Main Features



N-TYPE TOPCON TECH

- Lower LID
- Excellent Low Irradiance Performance



SMBB + 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 23.7%
- Bifaciality Rate Up to 80±5%



SUPERIOR POWER GENERATION PERFORMANCE

- Low Temperature Coefficient: $-0.28/^{\circ}\text{C}$
- Lower Operating Temperature

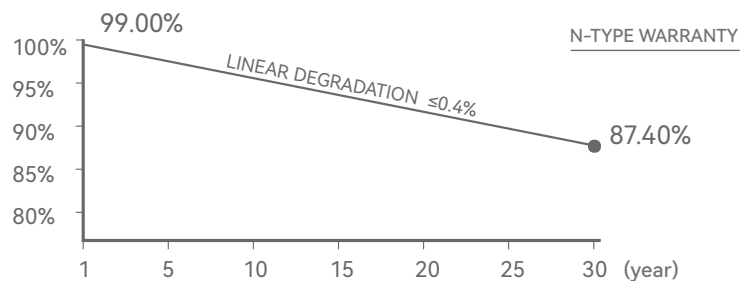


LOWER LEVELIZED COST OF ELECTRICITY

- 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
Warranty

30 YEAR

Linear Power
Warranty

≤1%

First - year
power
attenuation

≤0.4%

Linear power
attenuation



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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

715~735W
POWER RANGE

23.7%
EFFICIENCY

0~+5W
POWER SORTING

ELECTRICAL PERFORMANCE PARAMETERS

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

Rated output (Pmax/W)	715	720	725	730	735
Rated voltage (Vmpp/V)	40.67	40.87	41.07	41.27	41.47
Rated current (Impp/A)	17.59	17.62	17.66	17.70	17.74
Open circuit voltage (Voc/V)	49.06	49.26	49.46	49.66	49.86
Short-circuit current (Isc/A)	18.42	18.46	18.50	18.54	18.58
Module efficiency	23.0%	23.2%	23.3%	23.5%	23.7%

BNPI : Front irradiance1000W/m², Back irradiance135W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmax/W)	788	793	798	804	810
Rated voltage (Vmpp/V)	40.67	40.87	41.07	41.27	41.47
Rated current (Impp/A)	19.37	19.40	19.44	19.48	19.53
Open circuit voltage (Voc/V)	49.06	49.26	49.46	49.66	49.86
Short-circuit current (Isc/A)	20.28	20.32	20.37	20.41	20.46

DIFFERENT REAR POWER GAINS (725W)

Power gains	Pmpp/Wp	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	761	41.07	18.54	49.46	19.43
15%	834	41.07	20.30	49.46	21.28
25%	906	41.07	22.07	49.46	23.13

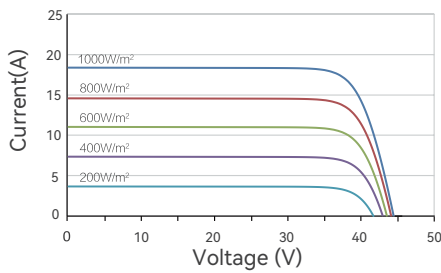
TEMPERATURE COEFFICIENT

Temperature coefficient (Pmpp)	-0.28%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

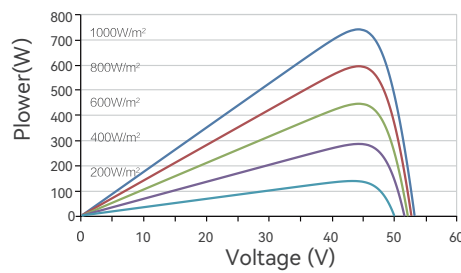
OPERATING PARAMETERS

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%

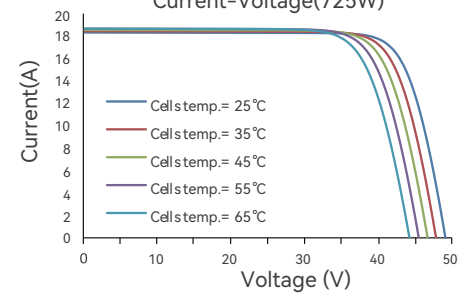
Current-Voltage(725W)



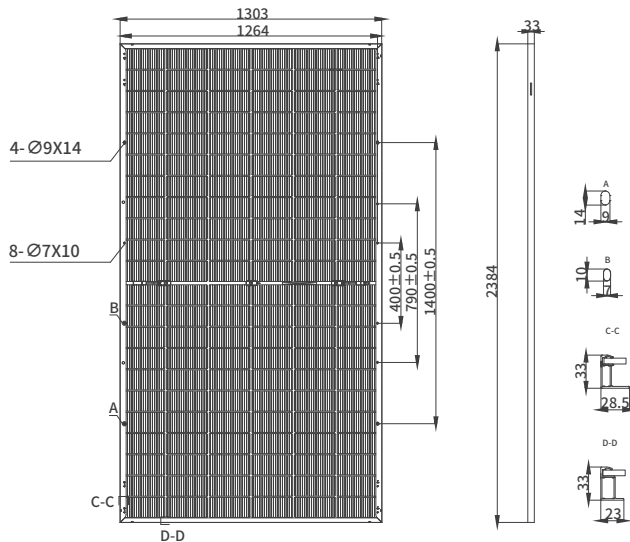
Power-Voltage(725W)



Current-Voltage(725W)



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.