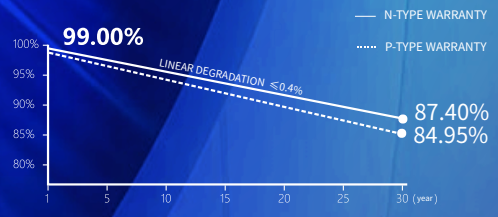
HT 210 TOPCon
Bifacial Series

HYSOLAR

685~705W

HY-NT12/66GDF

- Module Efficiency up to 22.7%
- 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

Comprehensive Products and System Certificates

IEC 61215, IEC 61730
ISO 9001:2015 Quality management systems
ISO 14001:2015 Environmental management systems
ISO 45001:2018 Occupational health and safety management systems

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Electrical performance parameters

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

Maximum power (Pmpp / Wp)	685	690	695	700	705
Maximum power voltage (Vmpp / V)	39.45	39.65	39.86	40.06	40.27
Maximum power current (Impp / A)	17.37	17.41	17.44	17.48	17.51
Open circuit voltage (Voc / V)	47.86	48.06	48.26	48.46	48.66
Short-circuit current (Isc /A)	18.18	18.22	18.26	18.30	18.34
Module efficiency	22.1%	22.2%	22.4%	22.5%	22.7%
Power tolerance			0~+5W		

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

Maximum power (Pmpp / Wp)	519.4	523.3	527.2	530.9	534.8
Maximum power voltage (Vmpp / V)	37.15	37.35	37.55	37.73	37.93
Maximum power current (Impp / A)	13.98	14.01	14.04	14.07	14.10
Open circuit voltage (Voc / V)	45.52	45.72	45.92	46.12	46.32
Short-circuit current (Isc /A)	14.64	14.67	14.70	14.73	14.76

Different rear power gains

(700W as an example)

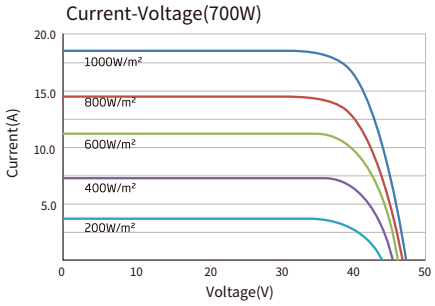
Power gains	Pmpp/ Wp	Vmpp/V	Impp/A	Voc / V	Isc/A
5%	735	40.06	18.35	48.46	19.22
15%	805	40.06	20.09	48.46	21.05
25%	875	40.06	21.84	48.46	22.88

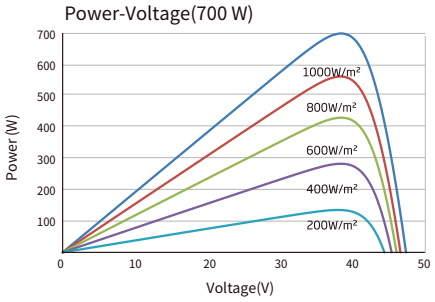
Temperature coefficient

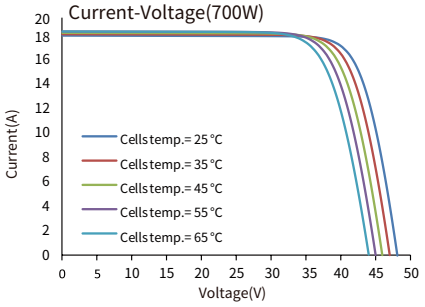
Temperature coefficient (Pmpp)	-0.29%/°C
Temperature coefficient (Isc)	+0.043%/°C
Temperature coefficient (Voc)	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

Operating parameters

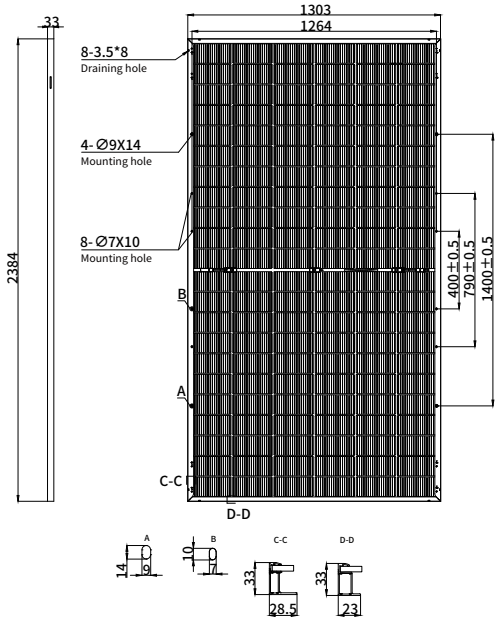
Max. system voltage (IEC)	1500V$_{DC}$
Junction box protection rating	IP 68
Max. series fuse rating	35 A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%







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	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 mm² / 12 AWG
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	PV-HYC11xyz(standard)/MC4 EVO2(optional)
Module weight	38.3 kg
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 pratical testing. Power Measurement Tolerance ±3% under STC standard.