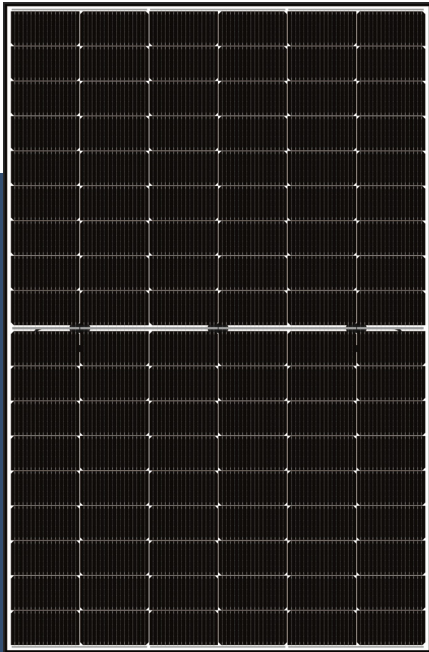


Bifacial Double Glass Module  
 Made In China  
 DAS-DH108NA

410W~435W



## Key Features



### High Efficiency

Leading module efficiency in industry, up to 22.3%



### Excellent Appearance and Performance

Bifacial solar cell, symmetrical design, low risk of micro-crack



### High Reliability

25 years materials warranty, 30 years power warranty



### Excellent Rear Side Power Generation

Bifaciality is up to 80%, up to 30% more energy yield than conventional modules



### Better low irradiance performance

Higher power output even under low irradiance environments like on cloudy or foggy days



### Extensive Application Scenes

More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Maximum Power Output

435W

Maximum Module Efficiency

22.3%

Power Output Tolerance

0~+5W

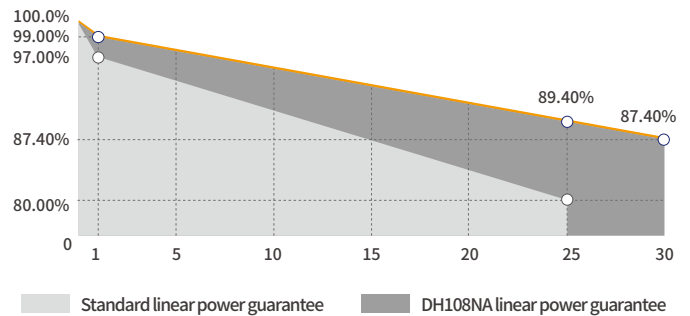
## Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

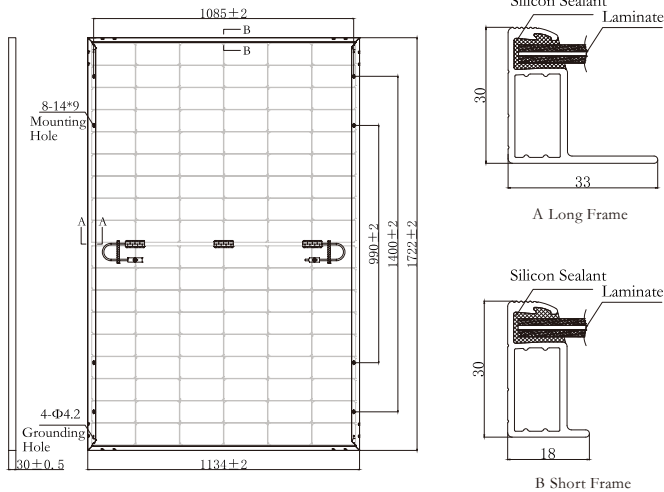
ISO 45001: Occupational Health and Safety Management System



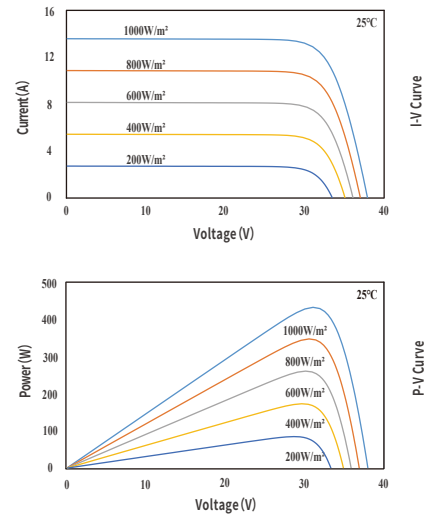
## Leading Product and Power Warranty

-1.00% 1st-year Degradation -0.40% Annual Degradation 25 years Materials and workmanship warranty 30 years Linear power warranty

## Engineering Drawing (MM)



## Characteristic Curves(430W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	410	415	420	425	430	435
Open Circuit Voltage(Voc/V)	38.43	38.45	38.48	38.54	38.60	38.72
Short Circuit Current(Isc/A)	13.76	13.77	13.78	13.79	13.80	13.89
Operating Voltage(Vmp/V)	31.35	31.68	32.02	32.35	32.68	33.01
Operating Current(Imp/A)	13.08	13.10	13.12	13.14	13.16	13.18
Efficiency(%)	21.0	21.3	21.5	21.8	22.0	22.3

STC \*: Irradiance = 1000 W/m<sup>2</sup>, Cell Temperature = 25°C, AM = 1.5  
Test condition is based on the front side

## Mechanical Parameters

Cell Type	N Type
Module Size	1722 × 1134 × 30mm
Glass Thickness	1.6mm
Module Weight	20.5Kg
Output Cable	4mm <sup>2</sup> , cable length 1200mm
Connector	See note
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy (Black)

Connector\*: 1.QC4.10-cd,2.PV-KST4-EVO2/xy\_UR (male),PV-KBT4-EVO2/xy\_UR(female)  
3.PV-ZH202B,4.YC4,5.QC4.10-cds,6.PV-TT02,7.PV-JK03M2/xy(Plug+Socket)  
8.PV2e,9.PV-DA01M2-XY,10.UTXCFabcde/ UTXCMabcde,  
11.PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy.

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	310.0	313.0	316.0	319.0	322.0	325.0
Open Circuit Voltage(Voc/V)	36.34	36.37	36.40	36.46	36.52	36.82
Short Circuit Current(Isc/A)	11.09	11.10	11.11	11.11	11.12	11.20
Operating Voltage(Vmp/V)	29.59	29.82	30.05	30.28	30.51	30.83
Operating Current(Imp/A)	10.48	10.50	10.52	10.54	10.56	10.54

NMOT \*: Irradiance = 800 W/m<sup>2</sup>, Ambient Temperature = 20°C, AM = 1.5,  
Wind Speed = 1 m/s  
Test condition is based on the front side

## Temperature Coefficients

Short Circuit Current(Isc)	+0.045%/°C
Open Circuit Voltage(Voc)	-0.250%/°C
Nominal Max. Power(Pmax)	-0.300%/°C
NMOT	42 ± 2°C

Fire Safety Class:: Class C

## Backside Power Gain (For 430W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	473.0	494.5	516.0	537.5	559.0
Open Circuit Voltage(Voc/V)	38.60	38.60	38.70	38.70	38.70
Short Circuit Current(Isc/A)	15.18	15.87	16.56	17.25	17.94
Operating Voltage(Vmp/V)	32.68	32.68	32.78	32.78	32.78
Operating Current(Imp/A)	14.47	15.13	15.74	16.40	17.05

## Operating Parameters

Max. System Voltage	DC1500V
Power Measurement Tolerance	±3%
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Designed Mechanical Load	Positive 3600Pa ,Negative 1600Pa
Packing Data	36 pcs/Pallet; 216(20GP); 936(40HQ)

