

N Type P Type

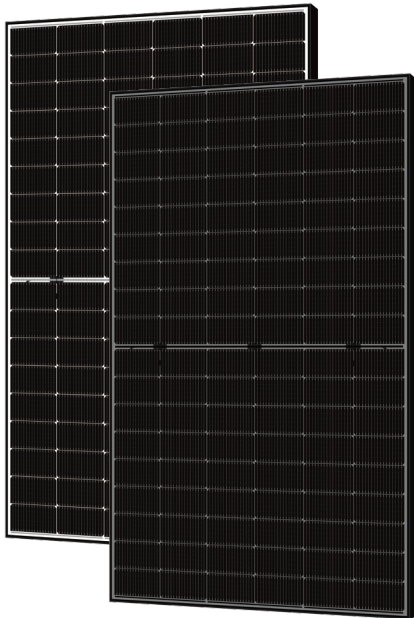


DAUN™ mini

Bifacial Double Glass Module

Made in China

Module Type: DAS-DH108NA Module Power: 410W~430W



430W

Maximum Power Output

22.0%

Maximum Module Efficiency

0~+5W

Power Output Tolerance

-1.00%

1st-year Degradation

-0.40%

Annual Degradation

25

YEAR

Materials and workmanship warranty

30

YEAR

Linear power warranty

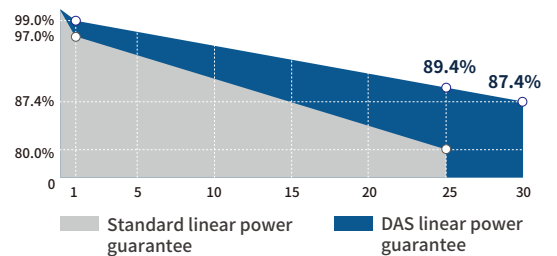
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO45001: 2018 EHS Management System



Key Features



High Efficiency

Module efficiency leading in industry, up to 22.0%



Double Sided Power Generation

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



Excellent Appearance and Performance

Both side cell, symmetrical design, low risk of micro-crack



Better Temperature Coefficient

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



High Reliability

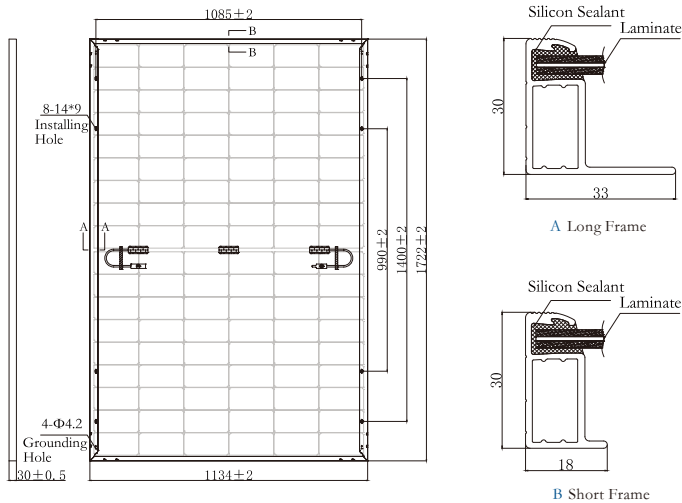
25 years materials warranty, 30 years power warranty



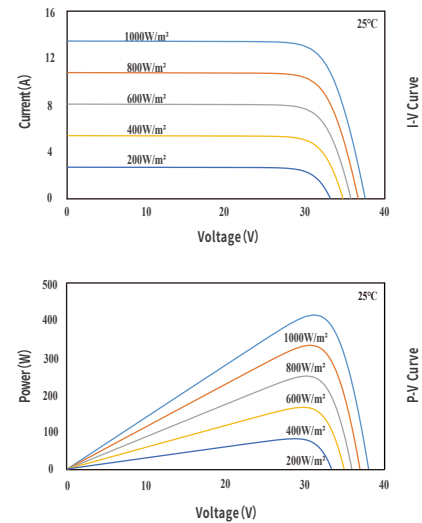
Extensive Application Scenes

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

Engineering Drawing (MM)



Characteristic Curves(415W)



Electrical Properties (STC *)

Testing Condition	Front	Front	Front	Front	Front
Nominal Max. Power(Pmax/W)	410	415	420	425	430
Open Circuit Voltage(Voc/V)	38.34	38.41	38.48	38.54	38.60
Short Circuit Current(Isc/A)	13.76	13.77	13.78	13.79	13.80
Operating Voltage(Vmp/V)	31.35	31.68	32.02	32.35	32.68
Operating Current(Imp/A)	13.08	13.10	13.12	13.14	13.16
Efficiency(%)	21.0	21.3	21.5	21.8	22.0

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

Mechanical Parameters

Cell Type	N Type
Module Size	1722×1134×30mm
Glass Thickness	2.0mm
Module Weight	23.7Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
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)
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy (Black)

Electrical Properties (NMOT *)

Testing Condition	Front	Front	Front	Front	Front
Nominal Max. Power(Pmax/W)	310.0	313.0	316.0	319.0	322.0
Open Circuit Voltage(Voc/V)	36.29	36.35	36.40	36.46	36.52
Short Circuit Current(Isc/A)	11.09	11.10	11.11	11.11	11.12
Operating Voltage(Vmp/V)	29.59	29.82	30.05	30.28	30.51
Operating Current(Imp/A)	10.48	10.50	10.52	10.54	10.56

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

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

Back 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 Tolerance	0 ~ +5 W
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)

