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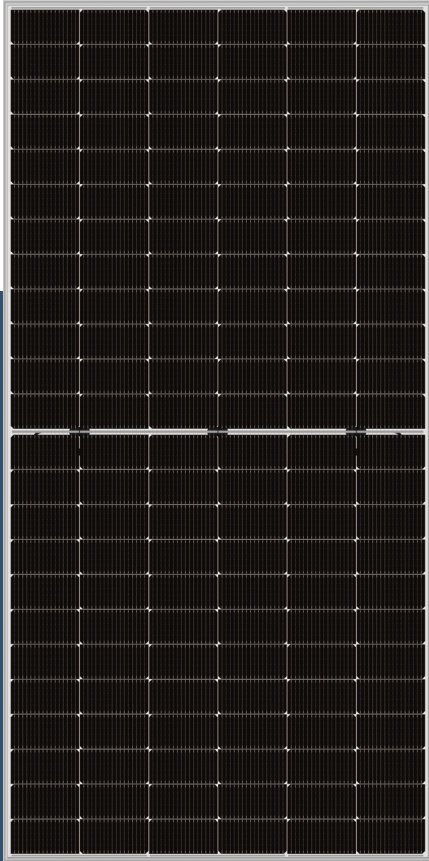
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DAON™

Bifacial Double Glass Module  
DAS-DH144NA

560W~580W



## Key Features



### High Efficiency

Leading module efficiency in industry, up to 22.5%



### Excellent Appearance and Performance

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



### High Reliability

Passed 3\*IEC standard test, 15 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

580W

Maximum Module Efficiency

22.5%

Power Output Tolerance

0~+5W

## Product and Quality Certifications

IEC 61215, IEC 61730

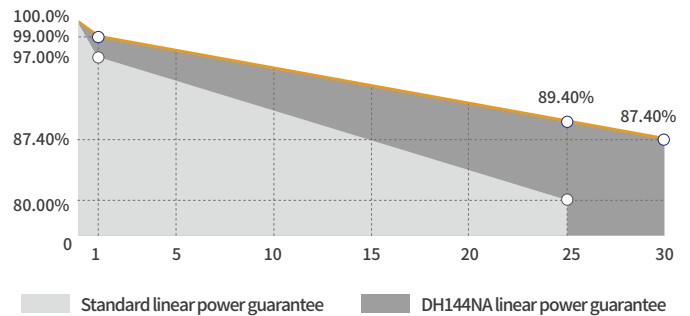
ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test

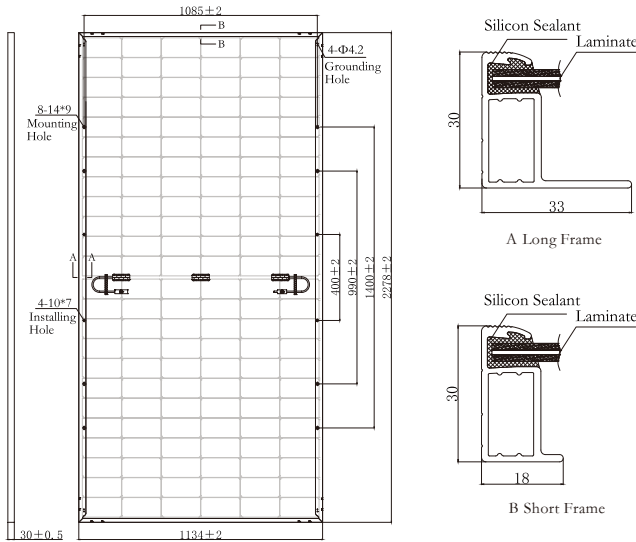
IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



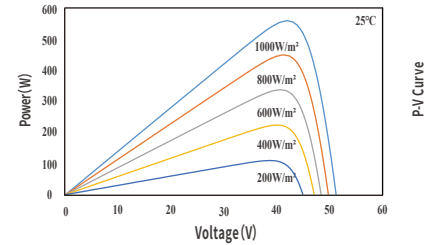
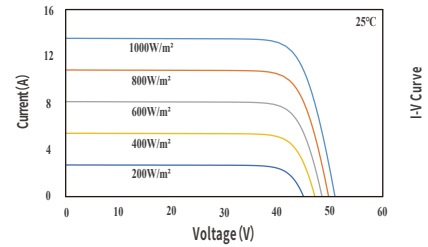
## Leading product and power warranty

-1.00% 1st-year Degradation -0.40% Annual Degradation 15 Materials and workmanship warranty 30 Linear power warranty

## Engineering Drawing (mm)



## Characteristic Curves(570W)



## Electrical Parameters (STC \*)

	560	565	570	575	580
Nominal Max. Power(Pmax/W)	560	565	570	575	580
Open Circuit Voltage(Voc/V)	51.30	51.39	51.60	51.80	52.00
Short Circuit Current(Isc/A)	13.78	13.79	14.25	14.30	14.37
Operating Voltage(Vmp/V)	42.69	43.00	42.32	42.50	42.69
Operating Current(Imp/A)	13.12	13.14	13.47	13.53	13.59
Efficiency(%)	21.7	21.9	22.1	22.3	22.5

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	2278×1134×30mm
Glass Thickness	2.0mm
Module Weight	31.3Kg
Output Cable	4mm <sup>2</sup> , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

## Electrical Parameters (NMOT \*)

	424.0	427.0	430.0	433.0	437.0
Nominal Max. Power(Pmax/W)	424.0	427.0	430.0	433.0	437.0
Open Circuit Voltage(Voc/V)	48.52	48.61	48.70	48.89	49.08
Short Circuit Current(Isc/A)	11.11	11.12	11.13	11.17	11.22
Operating Voltage(Vmp/V)	40.27	40.53	40.73	40.93	41.19
Operating Current(Imp/A)	10.53	10.54	10.56	10.58	10.61

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

## Backside Power Gain (For 570W)

	10%	15%	20%	25%	30%
Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	627.0	655.5	684.0	712.5	741.0
Open Circuit Voltage(Voc/V)	51.60	51.60	51.70	51.70	51.70
Short Circuit Current(Isc/A)	15.68	16.39	17.10	17.81	18.53
Operating Voltage(Vmp/V)	42.32	42.32	42.42	42.42	42.42
Operating Current(Imp/A)	14.82	15.49	16.12	16.80	17.47

## Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Packing Data	36 pcs/Pallet; 180(20GP); 720(40HQ)

