

DAON™
Bifacial Double Glass Module

Module Type: DAS-DH144NA Module Power: 550W ~570W

570W Maximum Power Output	22.1% Maximum Module Efficiency	0~+5W Power Output Tolerance
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-1.00% 1st-year Degradation

-0.40% Annual Degradation

15
YEAR

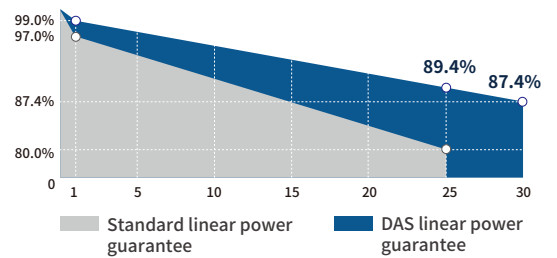
Materials and workmanship warranty

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
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



Key Features



High Efficiency

Module efficiency leading in industry, up to 22.1%



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

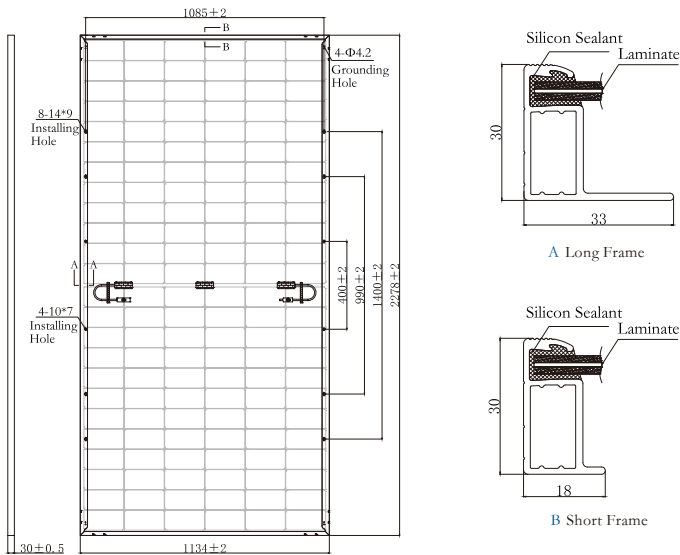
15 years materials warranty, 30 years power warranty



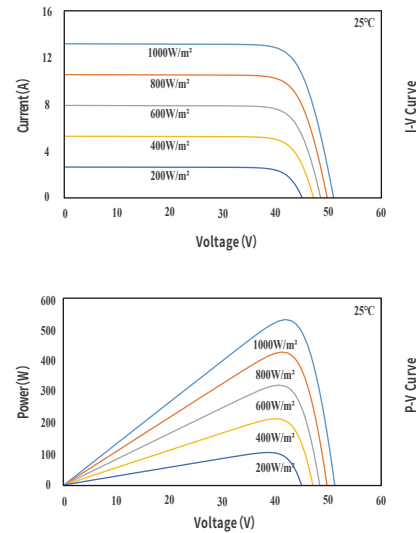
Extensive Application Scenes

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

Engineering Drawing (MM)



Characteristic Curves(550W)



Electrical Properties (STC *)

Testing Condition	Front	Front	Front	Front	Front
Nominal Max. Power(Pmax/W)	550	555	560	565	570
Open Circuit Voltage(Voc/V)	51.24	51.26	51.30	51.39	51.46
Short Circuit Current(Isc/A)	13.76	13.77	13.78	13.79	13.80
Operating Voltage(Vmp/V)	42.05	42.37	42.69	43.00	43.30
Operating Current(Imp/A)	13.08	13.10	13.12	13.14	13.17
Efficiency(%)	21.3	21.5	21.7	21.9	22.1

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

Electrical Properties (NMOT *)

Testing Condition	Front	Front	Front	Front	Front
Nominal Max. Power(Pmax/W)	418.0	421.0	424.0	427.0	430.0
Open Circuit Voltage(Voc/V)	48.20	48.30	48.40	48.50	48.60
Short Circuit Current(Isc/A)	11.09	11.10	11.11	11.12	11.13
Operating Voltage(Vmp/V)	39.90	40.11	40.31	40.53	40.73
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

Back Power Gain (For 560W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	616.0	644.0	672.0	700.0	728.0
Open Circuit Voltage(Voc/V)	51.30	51.30	51.40	51.40	51.40
Short Circuit Current(Isc/A)	15.16	15.85	16.54	17.23	17.91
Operating Voltage(Vmp/V)	42.69	42.69	42.79	42.79	42.79
Operating Current(Imp/A)	14.43	15.09	15.70	16.36	17.01

Mechanical Parameters

Cell Type	N Type
Module Size	2278×1134×30mm
Glass Thickness	2.0mm
Module Weight	32.7Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

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

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)

