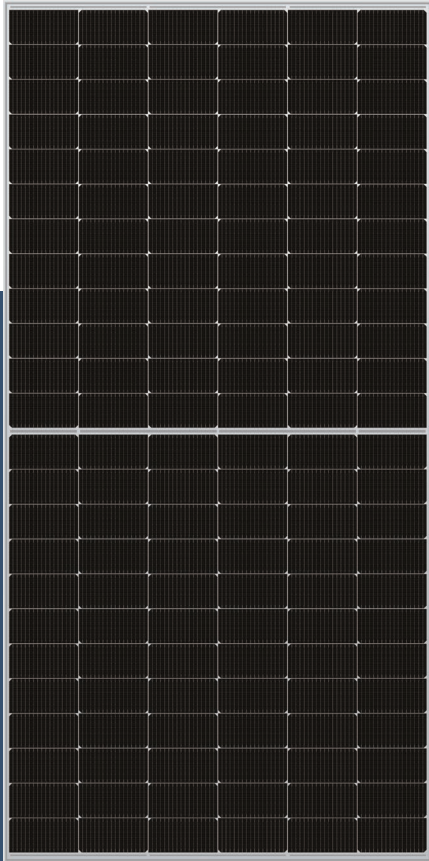


# Bifacial Double Glass Module DAS-DH144NA

## 570W~595W



### Key Features



#### High Efficiency

Leading module efficiency in industry, up to 23.0%



#### 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



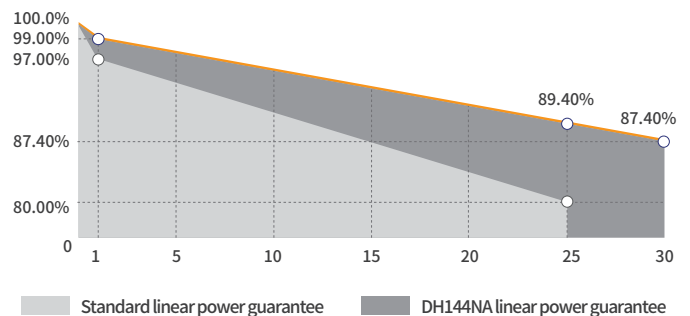
#### Extensive Application Scenes

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

Maximum Power Output	Maximum Module Efficiency	Power Output Tolerance
<b>595W</b>	<b>23.0%</b>	<b>0~+5W</b>

### Product and Quality Certifications

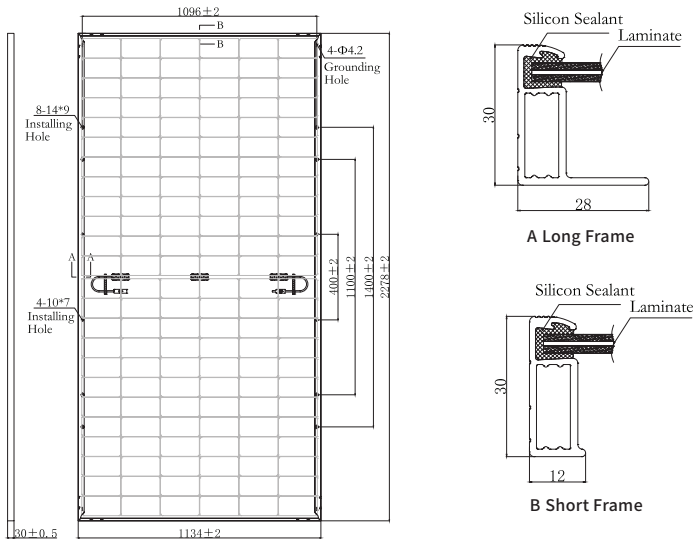
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



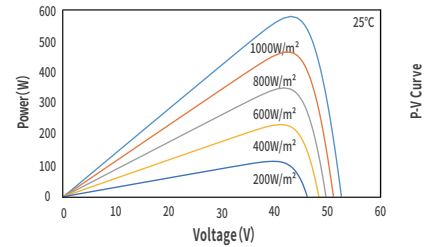
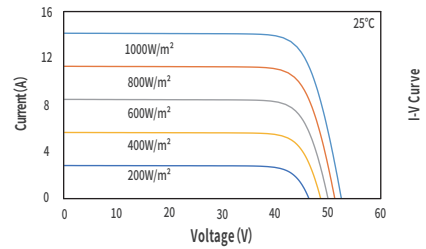
### Leading product and power warranty

**-1.00%** 1st-year Degradation **-0.40%** Annual Degradation **15** Years materials and workmanship warranty **30** Years linear power warranty

## Engineering Drawing (mm)



## Characteristic Curves(585W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	570	575	580	585	590	595
Open Circuit Voltage(Voc/V)	51.80	52.00	52.20	52.40	52.60	52.80
Short Circuit Current(Isc/A)	13.88	13.94	14.00	14.07	14.14	14.21
Operating Voltage(Vmp/V)	43.19	43.37	43.55	43.73	43.91	44.08
Operating Current(Imp/A)	13.20	13.26	13.32	13.38	13.44	13.50
Efficiency(%)	22.1	22.3	22.5	22.6	22.8	23.0

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 + 2.0mm
Module Weight	31.3Kg
Output Cable	4mm <sup>2</sup> , cable length +400mm/-200mm (can be customized)
Connector	PV-DA02M2-XY (or customized)
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	433	437	440	444	448	452
Open Circuit Voltage(Voc/V)	49.60	49.79	49.98	50.17	50.36	50.56
Short Circuit Current(Isc/A)	11.19	11.24	11.29	11.34	11.40	11.45
Operating Voltage(Vmp/V)	40.67	40.84	41.01	41.18	41.34	41.51
Operating Current(Imp/A)	10.64	10.69	10.74	10.79	10.83	10.88

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 585W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	643.5	672.8	702.0	731.3	760.5
Open Circuit Voltage(Voc/V)	52.40	52.40	52.50	52.50	52.50
Short Circuit Current(Isc/A)	15.48	16.18	16.88	17.59	18.29
Operating Voltage(Vmp/V)	43.73	43.73	43.83	43.83	43.83
Operating Current(Imp/A)	14.72	15.38	16.02	16.68	17.35

## Operating Parameters

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