

## Bifacial Double Glass Module DAS-DH132NE

# 595W~620W



### 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



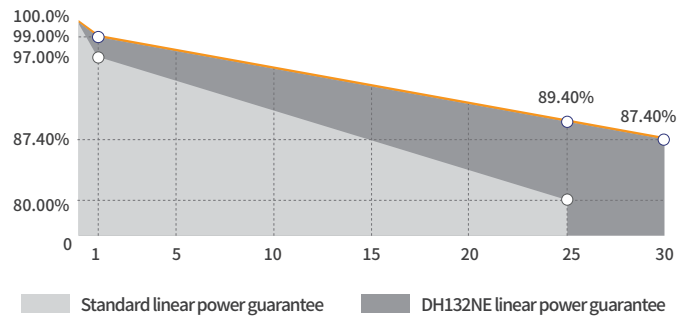
#### Extensive Application Scenes

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>620W</b>	<b>23.0%</b>	<b>0~+5W</b>

### Product and Quality Certifications

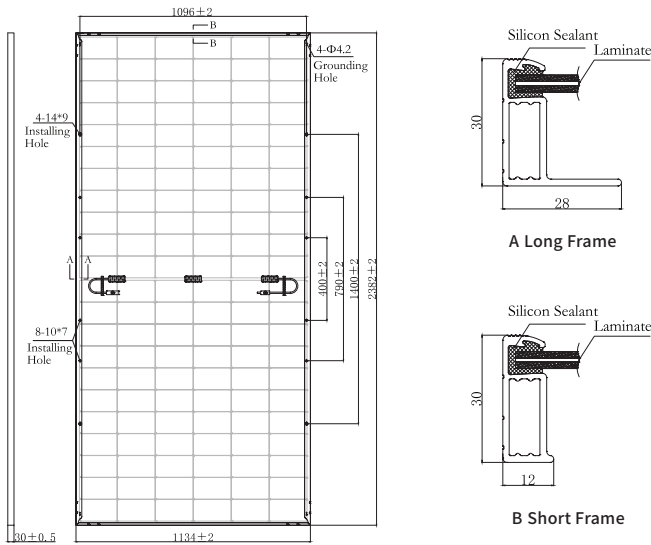
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



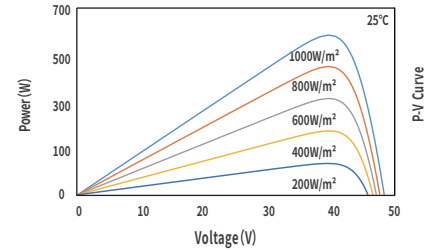
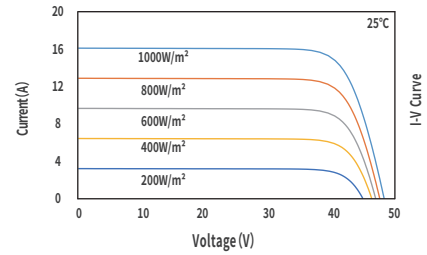
### Leading product and power warranty

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

## Engineering Drawing (mm)



## Characteristic Curves(610W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	595	600	605	610	615	620
Open Circuit Voltage(Voc/V)	47.48	47.66	47.84	48.01	48.18	48.35
Short Circuit Current(Isc/A)	15.82	15.88	15.94	16.00	16.06	16.12
Operating Voltage(Vmp/V)	39.62	39.80	39.97	40.14	40.31	40.48
Operating Current(Imp/A)	15.02	15.08	15.14	15.20	15.26	15.32
Efficiency(%)	22.0	22.2	22.4	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	2382 × 1134 × 30mm
Glass Thickness	2.0mm + 2.0mm
Module Weight	31.9Kg
Output Cable	4mm <sup>2</sup> , cable length +400mm/-200mm (can be customized)
Connector	PV-DA01M2-XY (or customized)
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	453	457	461	465	469	472
Open Circuit Voltage(Voc/V)	45.46	45.63	45.81	45.97	46.13	46.30
Short Circuit Current(Isc/A)	12.75	12.80	12.85	12.90	12.95	12.99
Operating Voltage(Vmp/V)	37.44	37.61	37.77	37.93	38.09	38.25
Operating Current(Imp/A)	12.11	12.16	12.20	12.25	12.30	12.35

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)	-0.280%/°C
NMOT	42 ± 2°C

## Backside Power Gain (For 610W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	671.0	701.5	732.0	762.5	793.0
Open Circuit Voltage(Voc/V)	48.01	48.01	48.11	48.11	48.11
Short Circuit Current(Isc/A)	17.60	18.40	19.20	20.00	20.80
Operating Voltage(Vmp/V)	40.14	40.14	40.24	40.24	40.24
Operating Current(Imp/A)	16.72	17.48	18.19	18.95	19.71

## 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; 144(20GP); 720(40HQ)