



Bifacial Double Glass Module DAS-DH132NE

595W~620W

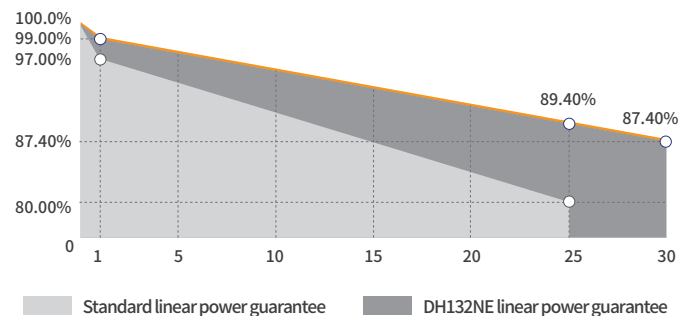
Key Features

- 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
620W	23.0%	0~+5W

Product and Quality Certifications

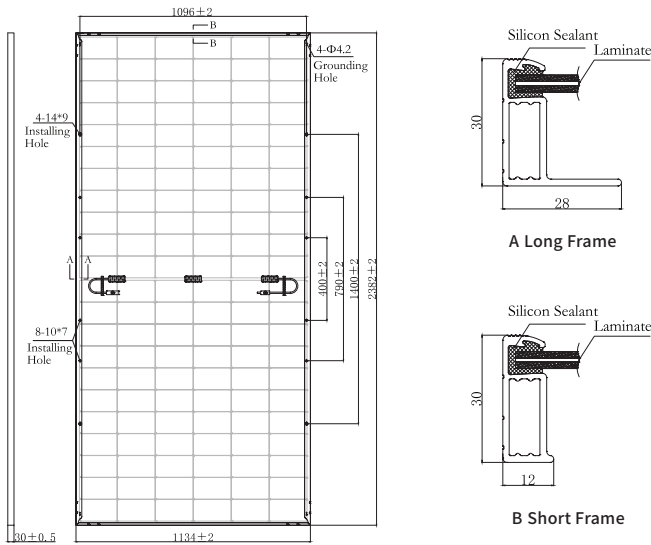
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System



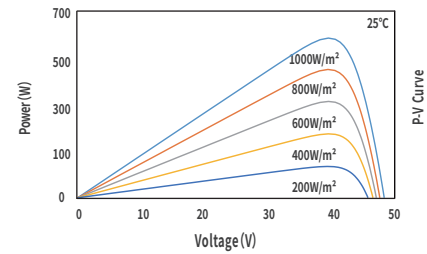
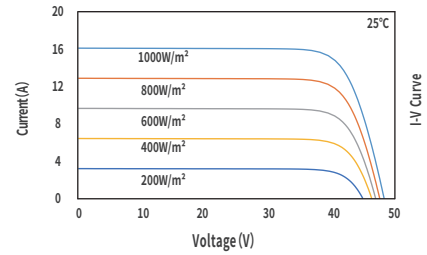
Leading product and power warranty

-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/m², 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
Module Weight	32.5Kg
Output Cable	4mm ² , cable length +400mm/-200mm (can be customized)
Connector	See note
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

Connector*: 1.PV-DA01M2-XY 2.PV-ZH202B 3.PV-KST4-EVO2/xy_UR,PV-KBT4-EVO2/xy_UR
4.PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy
5.PV-JK03M2/xy (Plug+Socket);PV-JK03M2/xy (Plug+Socket)

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/m², 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

Electrical Parameters (BNPI *)

Nominal Max. Power(Pmax/W)	655	660	665	670	675	680
Open Circuit Voltage(Voc/V)	47.48	47.66	47.84	48.01	48.18	48.35
Short Circuit Current(Isc/A)	17.50	17.56	17.63	17.70	17.76	17.83
Operating Voltage(Vmp/V)	39.62	39.80	39.97	40.14	40.31	40.48
Operating Current(Imp/A)	16.62	16.68	16.75	16.82	16.88	16.95

BNPI *: front irradiance=1000W/m², rear irradiance=135W/m²,
Cell Temperature = 25°C, AM = 1.5
Pmax bifaciality coefficient 80 ± 5%, Voc bifaciality coefficient 95 ± 5%
Isc bifaciality coefficient 80 ± 5%

Operating Parameters

Max. System Voltage	DC1500V
Power Measurement Tolerance	± 3%
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Fire Safety Class	Class C
Static Load	Front 5400Pa, Back 2400Pa
Packing Data	36 pcs/Pallet; 144(20GP); 720(40HQ)