DASOLAR

N Type

Bifacial Double Glass Module

DAS-DH132NE

595W~620W

Maximum Power Output	Maximum Module Efficiency	Power Output Tolerance
620W	23.0%	0~+5W

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

Product and Quality Certifications

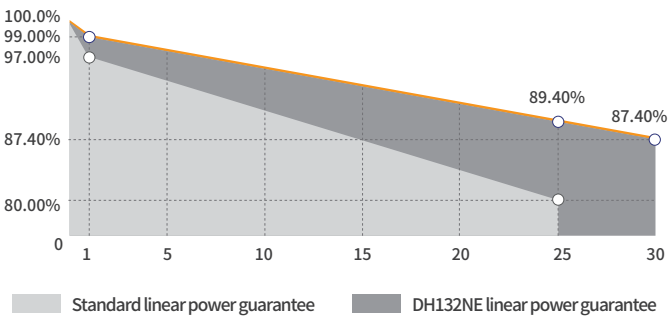
IEC 61215, IEC 61730

ISO 9001：Quality Management System

ISO 14001：Environment Management System

ISO 45001：Occupational Health and Safety Management System

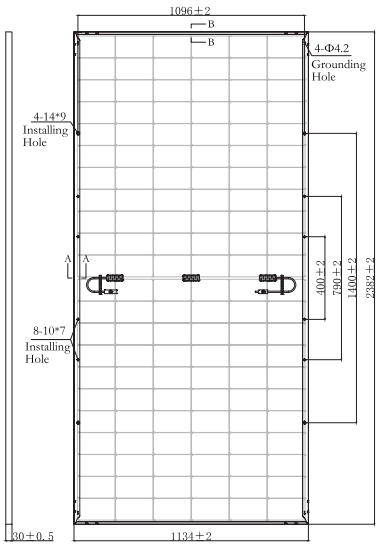
CE TÜV

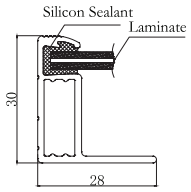


Leading product and power warranty

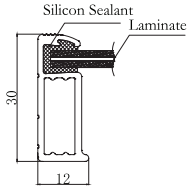
-1.00% 1st-year Degradation -0.40% Annual Degradation 15 Materials and workmanship warranty 30 Linear power warranty

Engineering Drawing (mm)



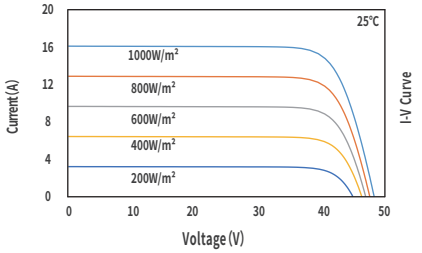


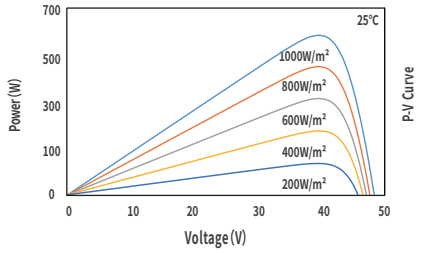
A Long Frame



B Short Frame

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	4mm², 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)	660	660	665	670	675	480
Open Circuit Voltage(Voc/V)	47.66	47.66	47.84	48.01	48.18	48.35
Short Circuit Current(Isc/A)	17.56	17.56	17.63	17.70	17.76	17.83
Operating Voltage(Vmp/V)	39.80	39.80	39.97	40.14	40.31	40.48
Operating Current(Imp/A)	16.68	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
Bifaciality 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)

DASOLAR
www.das-solar.com

Made In China
Version number:DAS-2024.05.22

All data contained in this datasheet is subject to change without notice.
The right of final interpretation belongs to DAS Solar.

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