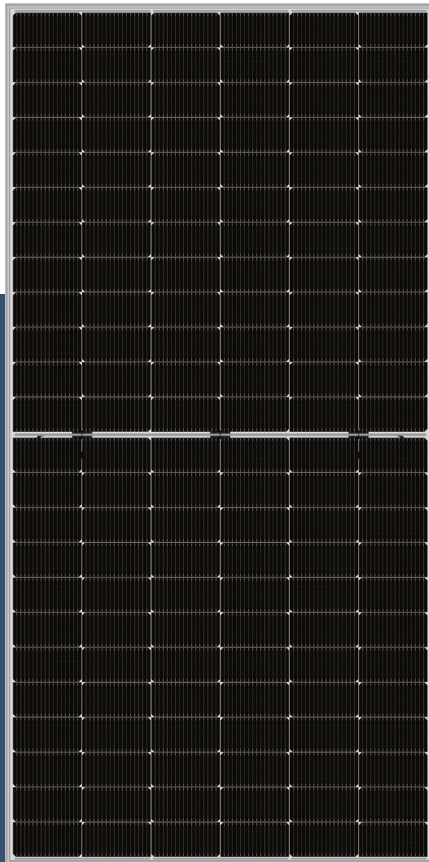


P Type  
Bifacial Double Glass Module  
DAS-DH144PA

540W~560W



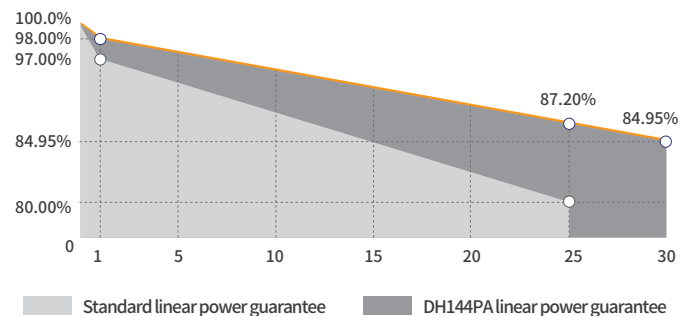
## Key Features

- High Efficiency**  
 Leading module efficiency in industry, up to 21.7%
- 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 70%, up to 25% more energy yield than conventional modules
- Reduce Mismatch Loss**  
 Half-cut cell technology provides optimized energy production under inter-row shading conditions
- 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>560W</b>	<b>21.7%</b>	<b>0~+5W</b>

## Product and Quality Certifications

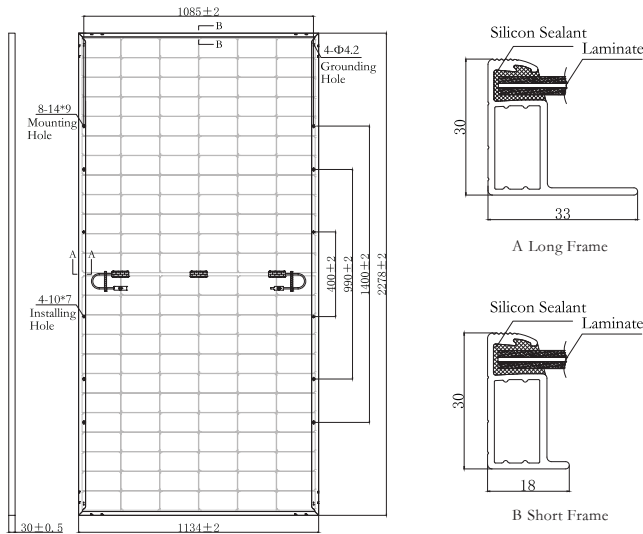
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



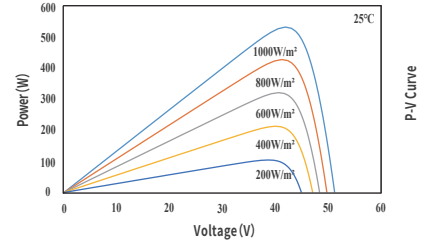
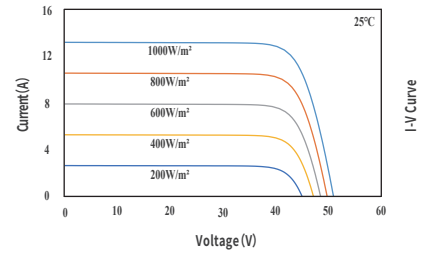
## Leading product and power warranty

**-2.00%** 1st-year Degradation **-0.45%** Annual Degradation **15** Materials and workmanship warranty **30** Linear power warranty

## Engineering Drawing (mm)



## Characteristic Curves(550W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	540	545	550	555	560
Open Circuit Voltage(Voc/V)	49.52	49.68	49.84	50.03	50.15
Short Circuit Current(Isc/A)	13.84	13.91	13.98	14.04	14.12
Operating Voltage(Vmp/V)	41.67	41.83	41.99	42.18	42.30
Operating Current(Imp/A)	12.96	13.03	13.10	13.16	13.24
Efficiency(%)	20.9	21.1	21.3	21.5	21.7

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	P Type
Module Size	2278×1134×30mm
Glass Thickness	2.0mm
Module Weight	31.4Kg
Output Cable	4mm <sup>2</sup> , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	396.9	400.6	404.3	407.9	411.6
Open Circuit Voltage(Voc/V)	45.81	45.95	46.10	46.28	46.39
Short Circuit Current(Isc/A)	11.16	11.21	11.27	11.32	11.38
Operating Voltage(Vmp/V)	38.27	38.45	38.58	38.74	38.87
Operating Current(Imp/A)	10.37	10.42	10.48	10.53	10.59

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)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.260%/°C
Nominal Max. Power(Pmax)	-0.340%/°C
NMOT	42±2°C

## Backside Power Gain (For 550W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	605.0	632.5	660.0	687.5	715.0
Open Circuit Voltage(Voc/V)	49.84	49.84	49.94	49.94	49.94
Short Circuit Current(Isc/A)	15.38	16.08	16.78	17.48	18.17
Operating Voltage(Vmp/V)	41.99	41.99	42.09	42.09	42.09
Operating Current(Imp/A)	14.41	15.06	15.68	16.33	16.99

## 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)

