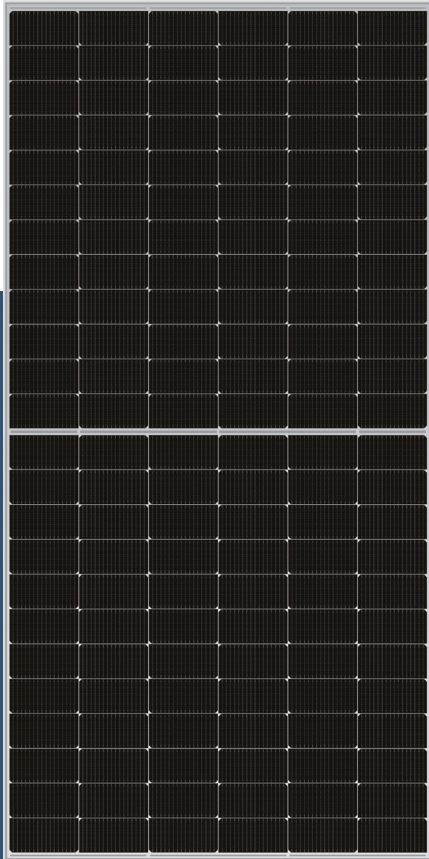


P Type  
Bifacial Double Glass Module  
DAS-DH144PA

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



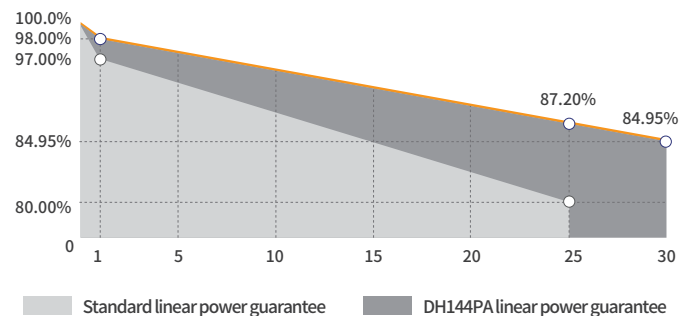
**Extensive Application Scenes**

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

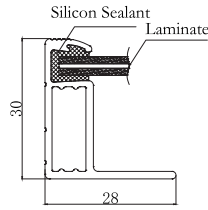
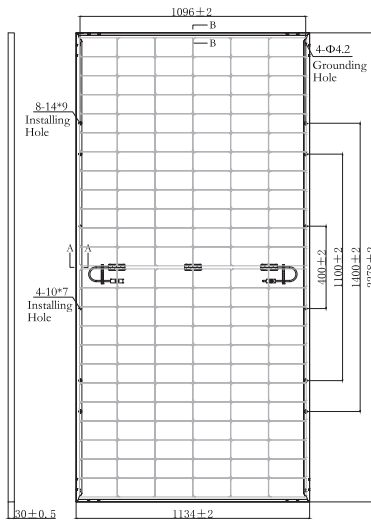
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



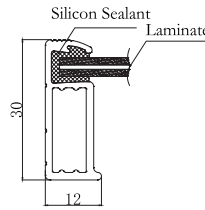
### Leading product and power warranty

**-2.00%** 1st-year Degradation **-0.45%** Annual Degradation **15** Years materials and workmanship warranty **30** Years linear power warranty

## Engineering Drawing (mm)

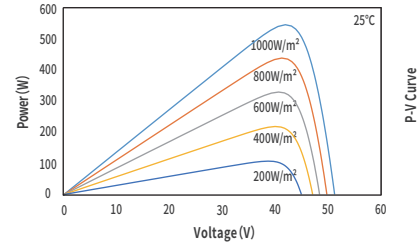
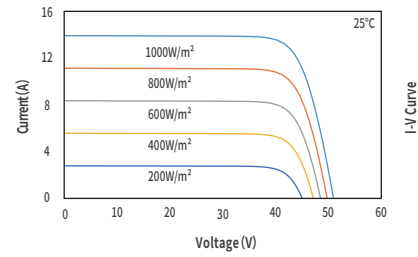


A Long Frame



B Short Frame

## Characteristic Curves(555W)



## 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 + 2.0mm
Module Weight	31.4Kg
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)	407	411	415	418	422
Open Circuit Voltage(Voc/V)	47.33	47.48	47.64	47.82	47.93
Short Circuit Current(Isc/A)	11.16	11.22	11.28	11.32	11.39
Operating Voltage(Vmp/V)	38.94	39.09	39.24	39.41	39.53
Operating Current(Imp/A)	10.45	10.51	10.57	10.61	10.68

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 555W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	610.5	638.3	666.0	693.8	721.5
Open Circuit Voltage(Voc/V)	50.03	50.03	50.13	50.13	50.13
Short Circuit Current(Isc/A)	15.44	16.15	16.85	17.55	18.25
Operating Voltage(Vmp/V)	42.18	42.18	42.28	42.28	42.28
Operating Current(Imp/A)	14.47	15.13	15.75	16.41	17.06

## 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)