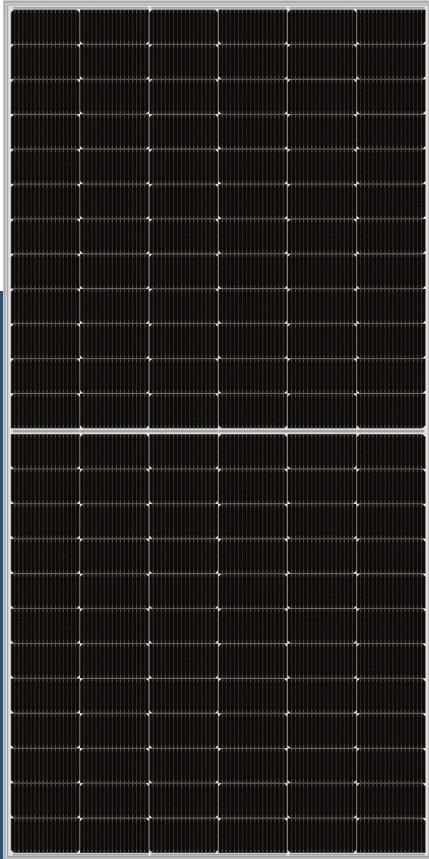


P Type  
Monofacial Module  
DAS-WH144PA

540W~560W



## Key Features



### High Efficiency

Leading module efficiency in industry, up to 21.7%



### Half Cell, SMBB Technology

Series-then-parallel cell connection design, more reliable soldering technology



### High Reliability

Passed 3\*IEC standard test



### Low NMOT

As low as 43°C, improving the power generation efficiency



### Reduce Mismatch Loss

Half-cut cell technology provides optimized energy production under inter-row shading conditions



### Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output

560W

Maximum Module Efficiency

21.7%

Power Output Tolerance

0~+5W

## Product and Quality Certifications

IEC 61215, IEC 61730

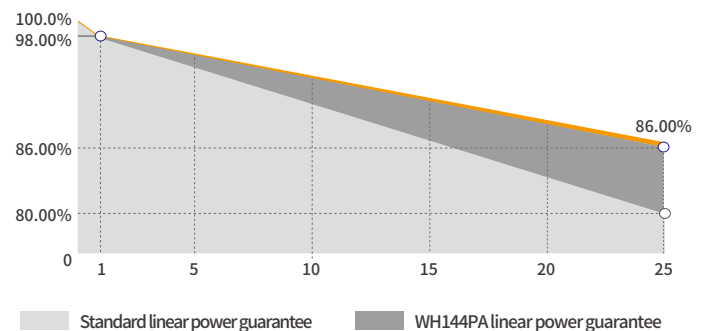
ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test

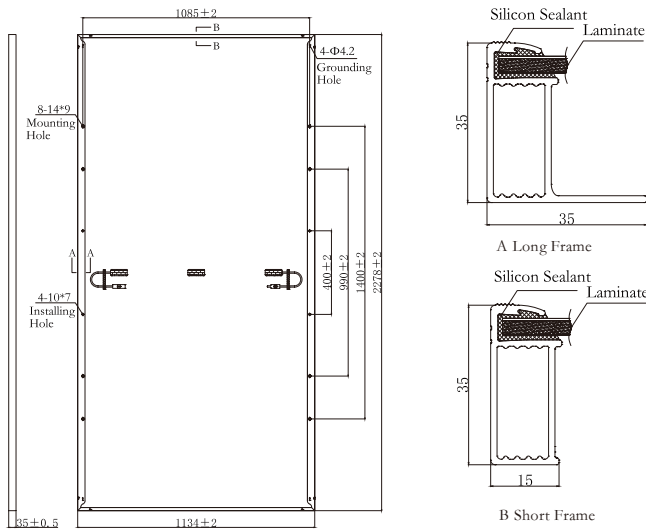
IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



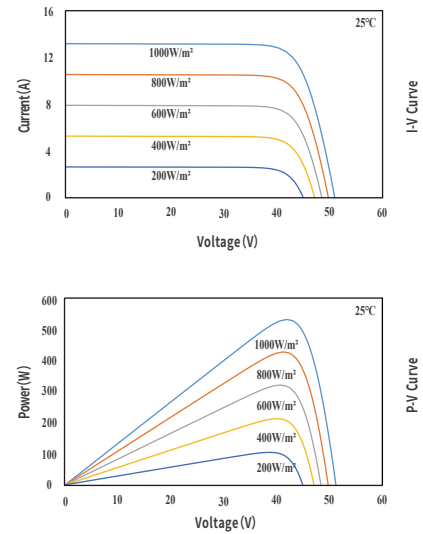
## Leading product and power warranty

-2.00% 1st-year Degradation -0.50% Annual Degradation 12 Materials and workmanship warranty 25 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

## 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)	-0.26%/°C
Nominal Max. Power(Pmax)	-0.340%/°C
NMOT	43±2°C

## Mechanical Parameters

Cell Type	P Type
Module Size	2278×1134×35mm
Glass Thickness	3.2mm
Module Weight	27.3Kg
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

## Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	25A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa

## Packing Data

Packing Type	20'GP	40'HQ
Piece/Pallet	31	31
Pallet/Container	5	20
Piece/Container	155	620

