

P Type  
Monofacial Module  
Made In China  
DAS-WH144PA

**565W**



## Key Features



### High Efficiency

Leading module efficiency in industry, up to 21.9%



### 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

**565W**

Maximum Module Efficiency

**21.9%**

Power Output Tolerance

**0~+5W**

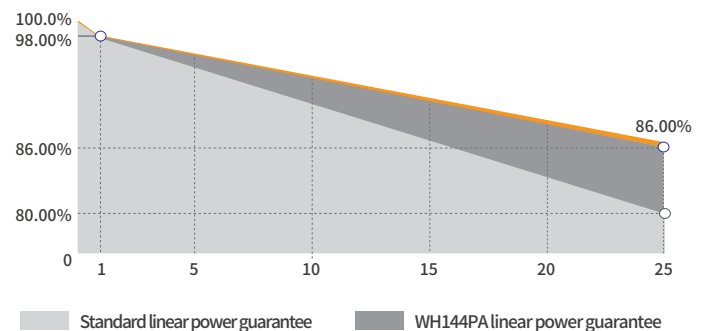
## Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

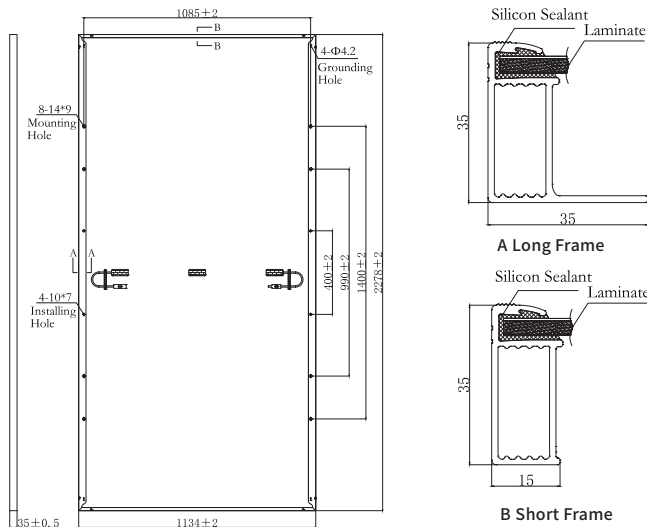
ISO 45001: Occupational Health and Safety Management System



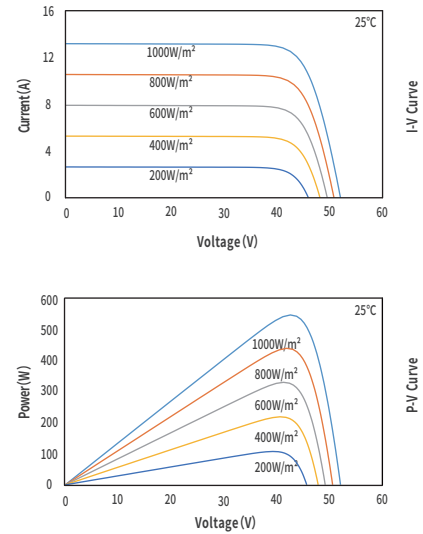
## Leading product and power warranty

**-2.00%** 1st-year Degradation **-0.50%** Annual Degradation **15** Years materials and workmanship warranty **25** Years linear power warranty

## Engineering Drawing (mm)



## Characteristic Curves(565W)



## Electrical Parameters (STC \*)

Nominal Max. Power(Pmax/W)	565
Open Circuit Voltage(Voc/V)	50.27
Short Circuit Current(Isc/A)	14.20
Operating Voltage(Vmp/V)	42.42
Operating Current(Imp/A)	13.32
Efficiency(%)	21.9

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	2278×1134×35mm
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

Connector\*: 1.QC4.10-cd,2.PV-KST4-EVO2/xy\_UR (male),PV-KBT4-EVO2/xy\_UR(female)  
3.PV-ZH202B,4.YC4,5.QC4.10-cds,6.PV-TT02,7.PV-JK03M2/xy(Plug+Socket)  
8.PV2e,9.PV-DA01M2-XY,10.UTXC/Fabcde/UTXCMabcde,  
11.PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy.

## Electrical Parameters (NMOT \*)

Nominal Max. Power(Pmax/W)	415.3
Open Circuit Voltage(Voc/V)	46.50
Short Circuit Current(Isc/A)	11.45
Operating Voltage(Vmp/V)	38.96
Operating Current(Imp/A)	10.66

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

## Operating Parameters

Max. System Voltage	DC1500V
Power Measurement Tolerance	±3%
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	25A
Designed Mechanical Load	Positive 3600Pa , Negative 1600Pa

## 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

Fire Safety Class: Class C

## Packing Data

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