

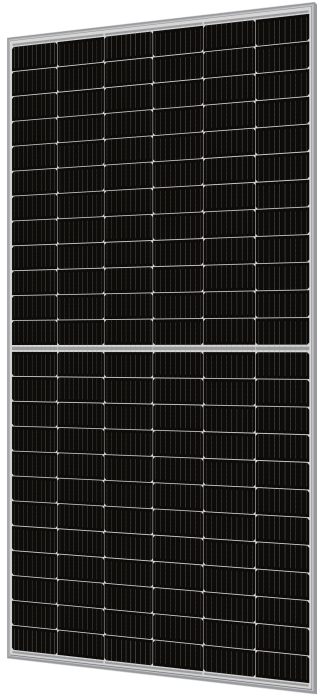
N Type P Type



P Type Single Glass Module

Made in China

Module Type: DAS-WH144PA Module Power: 530W ~560W



560W

Maximum Power Output

21.7%

Maximum Module Efficiency

0~+5W

Power Output Tolerance

-2.00%

1st-year Degradation

-0.50%

Annual Degradation

**15
YEAR**

Materials and
workmanship warranty

**25
YEAR**

Linear power
warranty

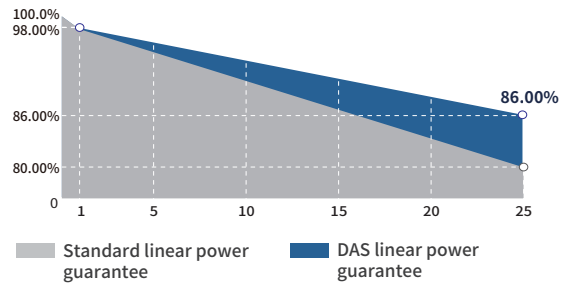
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO45001: 2018 EHS Management System



Key Features



High Efficiency

Module efficiency leading in industry, up to 21.7%



Low NMOT

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



Half Cell, MBB Technology

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



Reduce Mismatch Loss

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



High Reliability

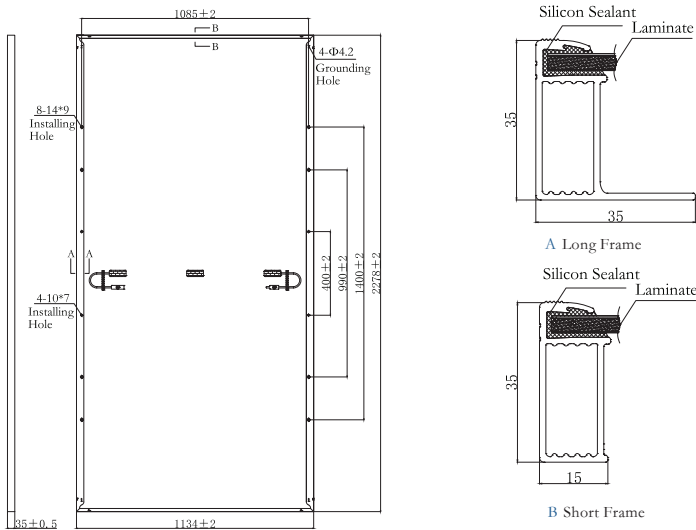
Passed 3*IEC standard test



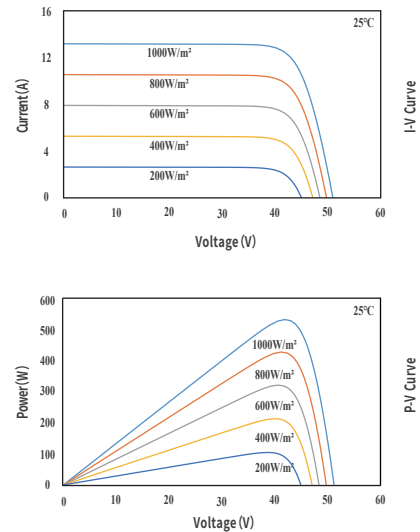
Superior Low Irradiance Performance

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

Engineering Drawing (MM)



Characteristic Curves(545W)



Electrical Properties (STC *)

Nominal Max. Power(Pmax/W)	530	535	540	545	550	555	560
Open Circuit Voltage(Voc/V)	49.16	49.36	49.52	49.68	49.84	50.03	50.15
Short Circuit Current(Isc/A)	13.72	13.77	13.84	13.91	13.98	14.04	14.12
Operating Voltage(Vmp/V)	41.31	41.51	41.67	41.83	41.99	42.18	42.30
Operating Current(Imp/A)	12.83	12.89	12.96	13.03	13.10	13.16	13.24
Efficiency(%)	20.5	20.7	20.9	21.1	21.3	21.5	21.7

STC *: Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5

Mechanical Parameters

Cell size	P Type
Module size	2278×1134×35mm
Glass Thickness	3.2mm
Module Weight	27.3Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
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)
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

Parameters Tolerance

Power Tolerance	±3%
Open Circuit Voltage Tolerance	±2%
Short Circuit Current Tolerance	±4%

Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.26%/°C
Nominal Max. Power(Pmax)	-0.340%/°C

Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	25A
Designed Mechanical Load	Positive 3600Pa, Negative 1600Pa

Packing Data

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

