

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

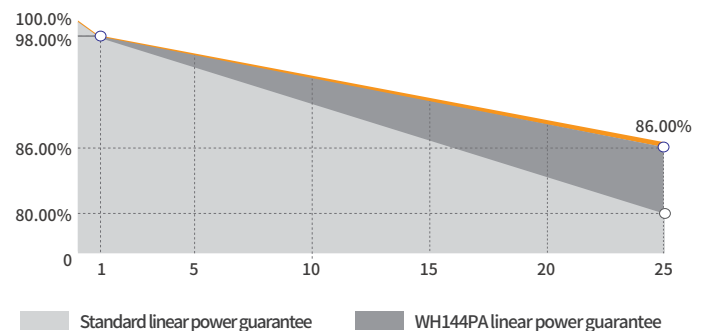
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

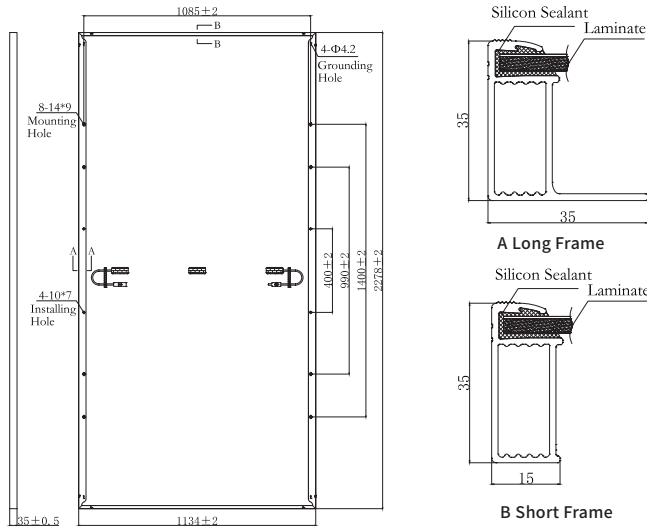
ISO 45001: Occupational Health and Safety Management System



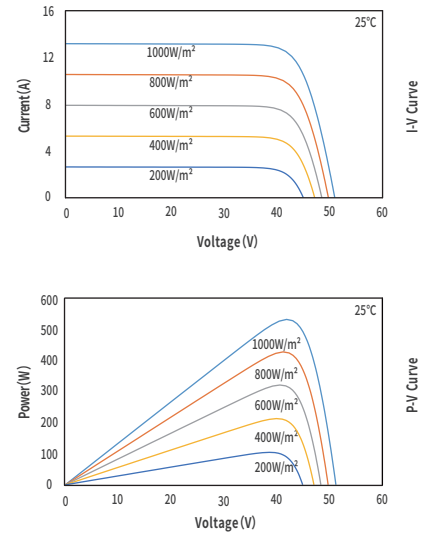
Leading product and power warranty

-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(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/m², 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/m², 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

Fire Safety Class: Class C

Mechanical Parameters

Cell Type	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	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.

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

Packing Data

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