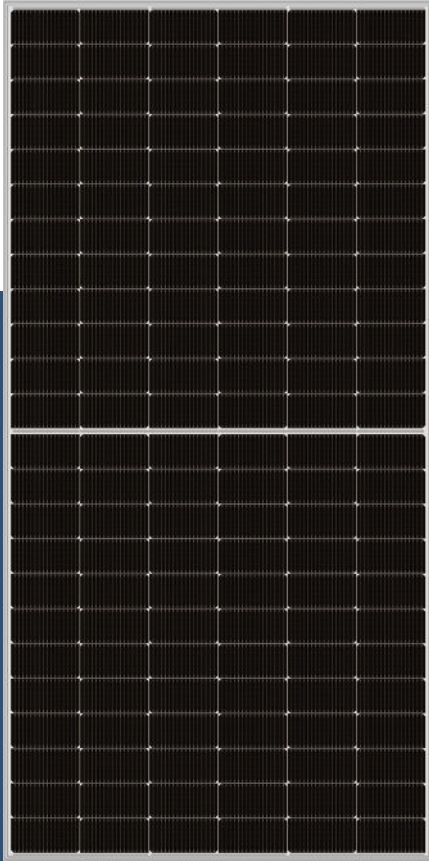


P Type
Monofacial Module
DAS-WH144PA

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

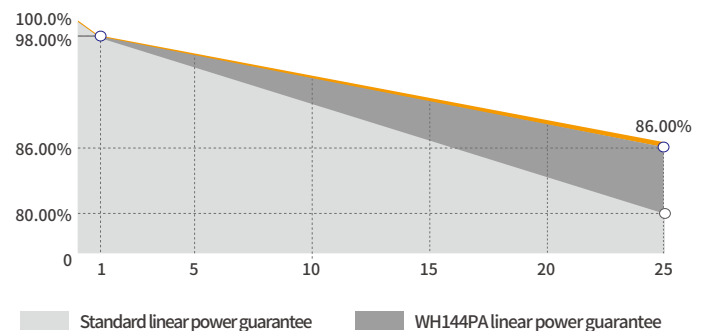
ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

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

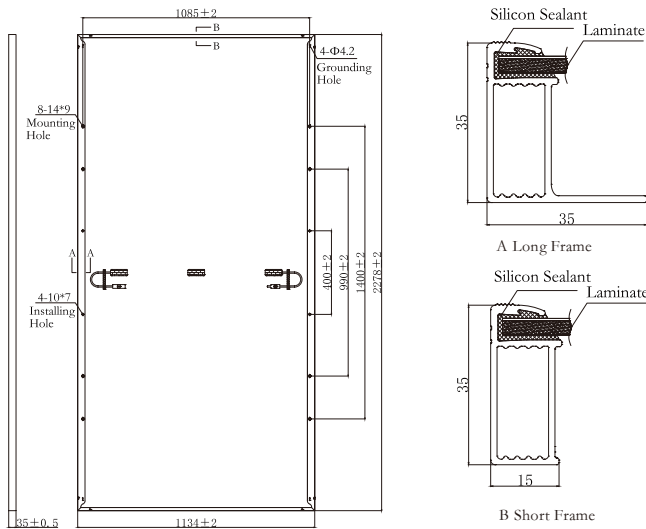
IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



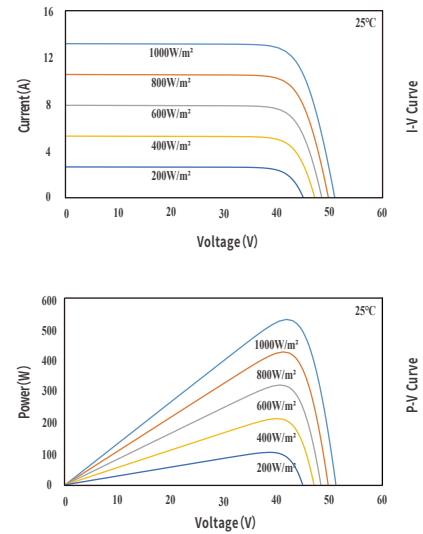
Leading product and power warranty

-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/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 |

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 |

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 |

