

P Type
Bifacial Double Glass Module
Made In China
DAS-DH144PA

560W~565W



Key Features



High Efficiency

Leading module efficiency in industry, up to 21.9%



Excellent Appearance and Performance

Bifacial solar cell, symmetrical design, low risk of micro-crack



High Reliability

Passed 3*IEC standard test, 15 years materials warranty, 30 years power warranty



Excellent Rear Side Power Generation

Bifaciality is up to 70%, up to 25% more energy yield than conventional modules



Reduce Mismatch Loss

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



Extensive Application Scenes

More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Maximum Power Output

565W

Maximum Module Efficiency

21.9%

Power Output Tolerance

0~+5W

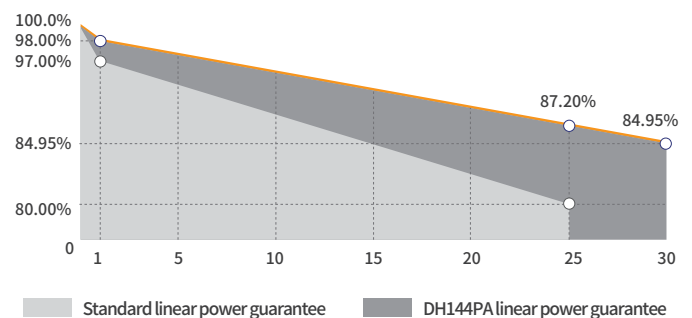
Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

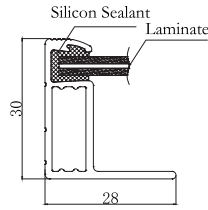
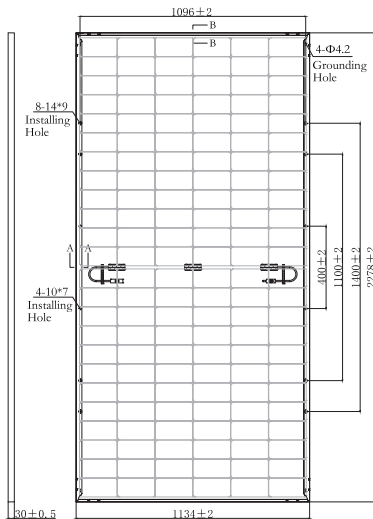
ISO 45001: Occupational Health and Safety Management System



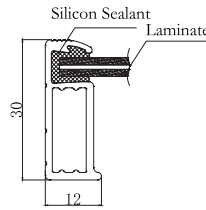
Leading product and power warranty

-2.00% 1st-year Degradation **-0.45%** Annual Degradation **15** Years materials and workmanship warranty **30** Years linear power warranty

Engineering Drawing (mm)

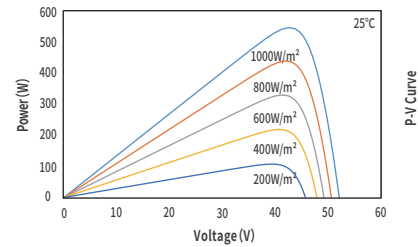
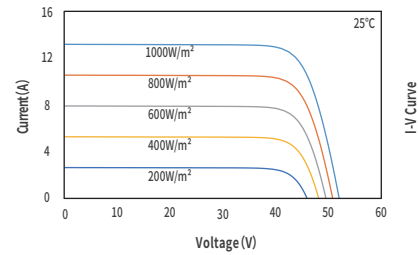


A Long Frame



B Short Frame

Characteristic Curves(560W)



Electrical Parameters (STC *)

| | | |
|------------------------------|-------|-------|
| Nominal Max. Power(Pmax/W) | 560 | 565 |
| Open Circuit Voltage(Voc/V) | 50.15 | 50.27 |
| Short Circuit Current(Isc/A) | 14.12 | 14.20 |
| Operating Voltage(Vmp/V) | 42.30 | 42.42 |
| Operating Current(Imp/A) | 13.24 | 13.32 |
| Efficiency(%) | 21.7 | 21.9 |

STC *: Irradiance = 1000 W/m², 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 × 30mm |
| Glass Thickness | 2.0mm |
| Module Weight | 31.4Kg |
| 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.UTXCFabcde/ UTXCMabcde,
11.PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy.

Electrical Parameters (NMOT *)

| | | |
|------------------------------|-------|-------|
| Nominal Max. Power(Pmax/W) | 411.6 | 415.3 |
| Open Circuit Voltage(Voc/V) | 46.39 | 46.50 |
| Short Circuit Current(Isc/A) | 11.38 | 11.45 |
| Operating Voltage(Vmp/V) | 38.87 | 38.96 |
| Operating Current(Imp/A) | 10.59 | 10.66 |

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) | -0.260%/°C |
| Nominal Max. Power(Pmax) | -0.340%/°C |
| NMOT | 42 ± 2°C |

Fire Safety Class: Class C

Backside Power Gain (For 560W)

| | | | | | |
|------------------------------|-------|-------|-------|-------|-------|
| Power Gain | 10% | 15% | 20% | 25% | 30% |
| Nominal Max. Power(Pmax/W) | 616.0 | 644.0 | 672.0 | 700.0 | 728.0 |
| Open Circuit Voltage(Voc/V) | 50.15 | 50.03 | 50.25 | 50.25 | 50.25 |
| Short Circuit Current(Isc/A) | 15.44 | 16.24 | 16.94 | 17.65 | 18.36 |
| Operating Voltage(Vmp/V) | 42.30 | 42.30 | 42.40 | 42.40 | 42.40 |
| Operating Current(Imp/A) | 14.56 | 15.22 | 15.85 | 16.51 | 17.17 |

Operating Parameters

| | |
|-----------------------------|-------------------------------------|
| Max. System Voltage | DC1500V |
| Power Measurement Tolerance | ±3% |
| Operating Temperature | -40°C ~ +85°C |
| Max. Fuse Rated Current | 30A |
| Designed Mechanical Load | Positive 3600Pa, Negative 1600Pa |
| Packing Data | 36 pcs/Pallet; 180(20GP); 720(40HQ) |