

TOPCon

DHN-72X16/DG

0~+5W

575~590 W



Higher Power Generation Efficiency

N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module



Higher Power Output

Bifacial module back-side power increases 5-25%



Lower Degradation Rate, PID Resistance

First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$; excellent Anti-PID performance



Lower Temp. Coefficient

More power generation under high-temperature



Better Dim Light Performance

Excellent performance under dim light

Comprehensive Products & System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 45001: 2018/International standards for occupational health & safety

ISO 14001: 2015/Standards for environmental management system

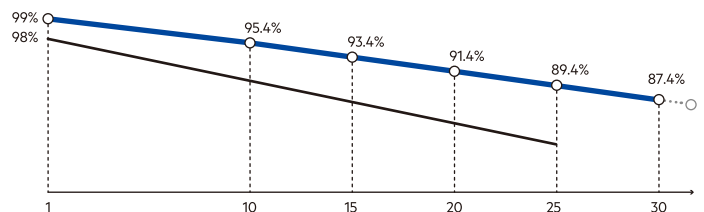
ISO 9001: 2015/Quality management system



Quality Guarantee

15-Year Material & Technology Warranty

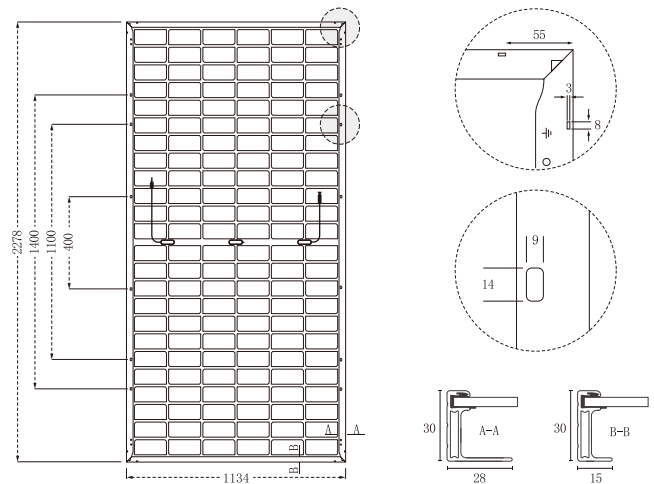
30-Year Linear Power Output Warranty



▲ DAH Solar Linear power output guarantee ▲ Standard Linear power output guarantee

Mechanical Specification

| | |
|-------------------|---|
| Cable | 4.0mm ² , 350/250mm in length, (Including Connector) length can be customized |
| No.of Cells | 144 (6×24) |
| Glass | 2.0mm High Transmission, Antireflection Coating |
| Junction Box | IP68, 3 Bypass Diodes |
| Connector | MC4 Compatible |
| Weight | 32kg |
| Cells Type | N-type 182×91.875mm |
| Dimension (L×W×T) | 2278×1134×30mm |
| Packing | 36pcs/Pallet, 720pcs/40HQ |



Electrical Characteristics

| Module Type | DHN-72X16/DG | | | | | | | |
|-----------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|
| | STC | | NOCT | | STC | | NOCT | |
| Maximum Power (Pmax) | 575 | 432 | 580 | 436 | 585 | 440 | 590 | 444 |
| Open-circuit Voltage (Voc) | 51.2 | 48.6 | 51.4 | 48.8 | 51.6 | 49.0 | 51.8 | 49.2 |
| Maximum Power Voltage (Vmp) | 43.4 | 41.2 | 43.6 | 41.4 | 43.8 | 41.6 | 44.0 | 41.8 |
| Short-Circuit Current (Isc) | 14.08 | 11.37 | 14.14 | 11.42 | 14.20 | 11.46 | 14.26 | 11.51 |
| Maximum Power Current (Imp) | 13.25 | 10.49 | 13.30 | 10.53 | 13.36 | 10.57 | 13.41 | 10.61 |
| Module Efficiency (STC) | 22.26 | | 22.45 | | 22.65 | | 22.84 | |
| Refer Bifacial Factor | 80±5% | | | | | | | |

STC: Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5
NOCT: Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Double-Sided Power Generation Parameters (Rear gain)

| | | | | | |
|-----|-----------------------|--------|-------|--------|-------|
| 5% | Maximum Power (Pmax) | 603.75 | 609 | 614.25 | 619.5 |
| | Module Efficiency (%) | 23.37 | 23.57 | 23.78 | 23.98 |
| 15% | Maximum Power (Pmax) | 661 | 667 | 673 | 679 |
| | Module Efficiency (%) | 25.60 | 25.82 | 26.04 | 26.27 |
| 25% | Maximum Power (Pmax) | 719 | 725 | 731 | 738 |
| | Module Efficiency (%) | 27.82 | 28.07 | 28.31 | 28.55 |

Operating Parameters

| | |
|------------------------------------|-------------|
| Maximum System Voltage | 1500V DC |
| Power Tolerance | 0~+5W |
| Operating Temperature | -40 ~ +85°C |
| Maximum Series Fuse Rating | 30A |
| Nominal Operating Cell Temperature | 45°C±2°C |
| Application Level | Class A |

Temperature Coefficient

| | |
|---|-----------|
| Temperature Coefficient of Isc (α Isc) | 0.046%/°C |
| Temperature Coefficient of Voc (β Voc) | -0.25%/°C |
| Temperature Coefficient of Pmax (γ Pmp) | -0.30%/°C |

Mechanical Loads

| | |
|--|---------------|
| Snow load, frontside / Wind load, backside | 5400Pa/2400Pa |
|--|---------------|

I-V Curve

