

TOPCon

DHN-60X16/DG(BW)

0~+5W

470~485W



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

First-year ≤1%, 2-30 year ≤0.4%



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

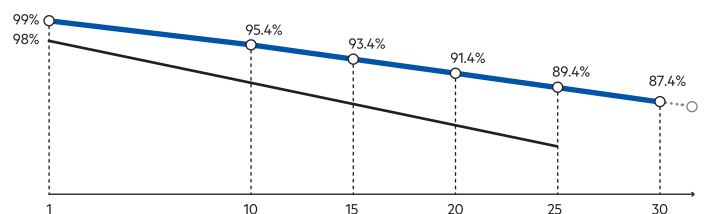
ISO 9001: 2015/Quality management system



Quality Guarantee

15-Year Material & Technology Warranty

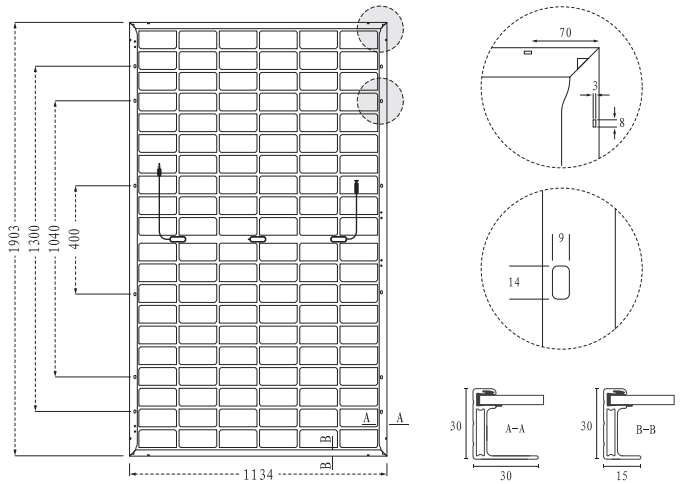
30-Year Linear Power Output Warranty



▲ 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 | 120 (6×20) |
| Glass | 2.0mm High Transmission, Antireflection Coating |
| Junction Box | IP68, 3 Bypass Diodes |
| Connector | MC4 Compatible |
| Weight | 27kg |
| Cells Type | N-type 182×91mm |
| Dimension (L×W×T) | 1903×1134×30mm |
| Packing | 36pcs/Pallet, 864pcs/40HQ |



Electrical Characteristics

| Module Type | DHN-60X16/DG(BW) | | | | | | | |
|-----------------------------|------------------|-------|--------|-------|--------|-------|--------|-------|
| | STC | | NOCT | | STC | | NOCT | |
| Maximum Power (Pmax) | 470 | 353 | 475 | 357 | 480 | 361 | 485 | 365 |
| Open-circuit Voltage (Voc) | 42.4 | 40.28 | 42.6 | 40.47 | 42.8 | 40.66 | 43.0 | 40.85 |
| Maximum Power Voltage (Vmp) | 36.0 | 34.20 | 36.2 | 34.39 | 36.4 | 34.58 | 36.6 | 34.77 |
| Short-Circuit Current (Isc) | 13.90 | 11.22 | 13.96 | 11.27 | 14.02 | 11.32 | 14.08 | 11.37 |
| Maximum Power Current (Imp) | 13.06 | 10.33 | 13.12 | 10.39 | 13.19 | 10.44 | 13.25 | 10.49 |
| Module Efficiency (STC) | 21.78% | | 22.01% | | 22.24% | | 22.47% | |
| 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) | 494 | 499 | 504 | 509 |
| | Module Efficiency (%) | 22.87 | 23.11 | 23.35 | 23.60 |
| 15% | Maximum Power (Pmax) | 541 | 546 | 552 | 558 |
| | Module Efficiency (%) | 25.05 | 25.31 | 25.58 | 25.85 |
| 25% | Maximum Power (Pmax) | 588 | 594 | 600 | 606 |
| | Module Efficiency (%) | 27.22 | 27.51 | 27.80 | 28.09 |

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

