

TOPCon

DHN-78X16 0~+5W

605 W



Higher Power Generation Efficiency

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



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

Fire safety class:

Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)

* Subject to the terms and conditions contained in the applicable Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.

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

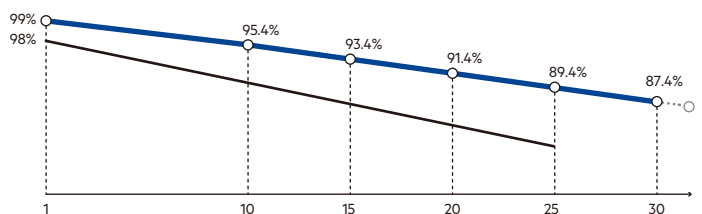
ISO 9001: 2015/Quality management system



Quality Guarantee

25-Year Material & Technology Warranty

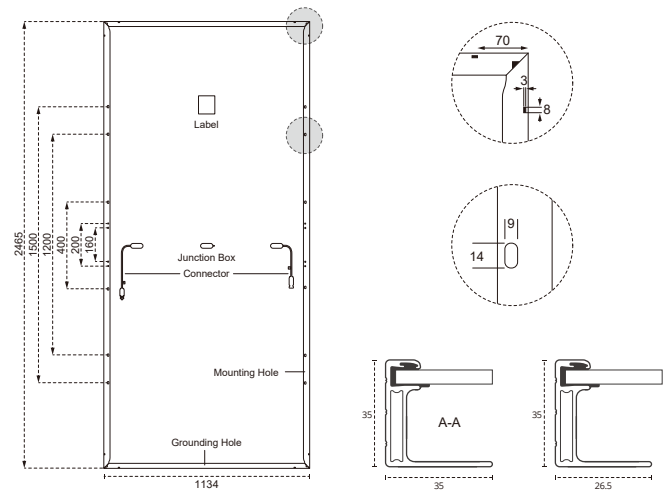
30-Year Linear Power Output Warranty



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

Mechanical Specification

| | |
|-------------------|---------------------------------------------------------------------------|
| Cable | 4.0mm ² , 350/250mm in length, (Including Connector) |
| No.of Cells | 156 (6×26) |
| Glass | 3.2mm High Transmission, Antireflection Coating |
| Junction Box | IP68, 3 Bypass Diodes |
| Connector | PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors |
| Weight | 32kg |
| Cells Type | N-type 182×91mm |
| Dimension (L×W×T) | 2465×1134×35mm |
| Packing | 31pcs/Pallet, 496pcs/40HQ |



STC-Electrical Characteristics

| Module Type | DHN-78X16 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Maximum Power (Pmax/W) | 605 |
| Open-circuit Voltage (Voc/V) | 55.0 |
| Maximum Power Voltage (Vmp/V) | 46.2 |
| Short-circuit Current (Isc/A) | 13.90 |
| Maximum Power Current (Imp/A) | 13.10 |
| Module Efficiency (%) | 21.64 |
| <i>Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5 Tolerances: Pmax=±3%, Voc=±3%, Isc±3%</i> | |

NOCT—Electrical Characteristics

| | |
|-----------------------------------------------------------------------------------------------------------------------------|-------|
| Maximum Power (Pmax/W) | 455 |
| Open-circuit Voltage (Voc/V) | 52.3 |
| Maximum Power Voltage (Vmp/V) | 43.9 |
| Short-circuit Current (Isc/A) | 11.22 |
| Maximum Power Current (Imp/A) | 10.37 |
| <i>Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s</i> | |

Operating Parameters

| | |
|------------------------------------|-------------|
| Maximum System Voltage | 1500V DC |
| Power Tolerance | 0~+5W |
| Operating Temperature | -40 ~ +85°C |
| Maximum Series Fuse Rating | 25A |
| 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

