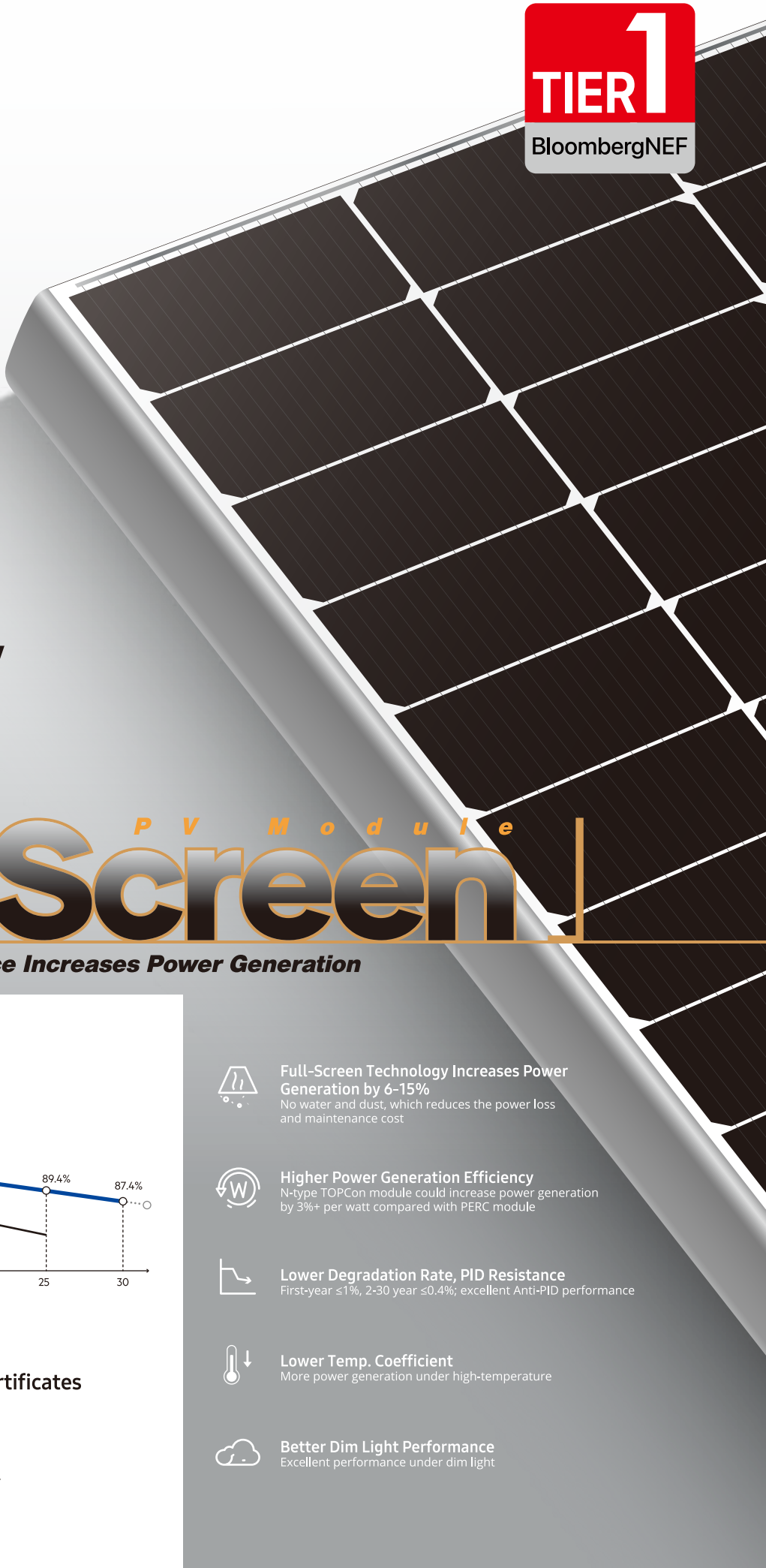
DAH Solar
www.dahsolarpv.com

TIER 1
BloombergNEF

GLOBAL PATENTS



TOPCon

DHN-72X16/FS

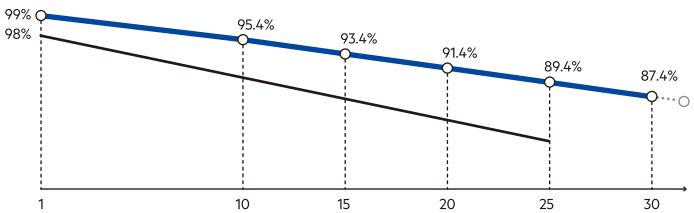
# 570~585W

# Full Screen PV Module

***No Dust and Dirt on the Surface Increases Power Generation***

## Quality Guarantee

**15-year** Material & technology warranty
**30-year** Linear power output warranty




DAH Solar linear power output guarantee
Standard linear power output guarantee

## Comprehensive Products & System Certificates

IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
ISO 45001 : 2018/International standards for occupational health & safety
ISO 14001 : 2015/Standards for environmental management system
ISO 9001 : 2015/Quality management system

**Full-Screen Technology Increases Power Generation by 6-15%**
No water and dust, which reduces the power loss and maintenance cost

**Higher Power Generation Efficiency**
N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module

**Lower Degradation Rate, PID Resistance**
First-year ≤1%, 2-30 year ≤0.4%; excellent Anti-PID performance

**Lower Temp. Coefficient**
More power generation under high-temperature

**Better Dim Light Performance**
Excellent performance under dim light

DHN-72X16/FS

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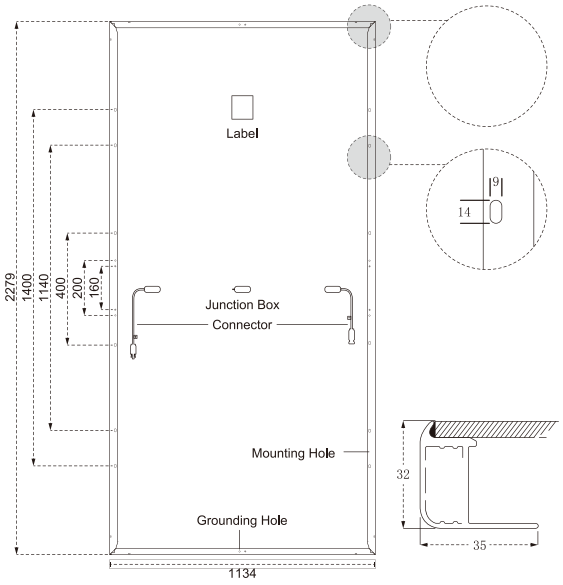
GLOBAL PATENTS

## Mechanical Specification

| | |
|---|---|
| Cable | 4.0mm², 350/250mm in length, |
| (Including connector) | length can be customized |
| No.of Cells | 144 (6×24) |
| Glass | 3.2mm High Transmission, Antireflection Coating |
| Junction box | IP68, 3 Bypass Diodes |
| Connector | MC4 Compatible |
| Weight | 29kg |
| Cells Type | N-type 182×91mm |
| Dimension (L×W×T) | 2279×1134×32mm |
| Packing | 34pcs/Pallet, 680pcs/40HQ |

## Design




## Operating Parameters

| | |
|---|---|
| Maximum system voltage | 1500V DC |
| Operating Temperature | -40 ~ +85°C |
| Maximum series fuse rating | 25A |
| Snow load, frontside/Wind load, backside | 5400Pa/2400Pa |
| Nominal operating cell temperature | 45°C±2°C |
| Application level | Class A |

## STC——Electrical Characteristics

| Module Type | DHN-72X16/FS | | | |
|---|---|---|---|---|
| Maximum Power (Pmax/W) | 570 | 575 | 580 | 585 |
| Open-circuit Voltage (Voc/V) | 51.0 | 51.2 | 51.4 | 51.6 |
| Maximum Power Voltage (Vmp/V) | 43.2 | 43.4 | 43.6 | 43.8 |
| Short-circuit Current (Isc/A) | 14.02 | 14.08 | 14.14 | 14.20 |
| Maximum Power Current (Imp/A) | 13.19 | 13.25 | 13.30 | 13.36 |
| Module Efficiency (%) | 22.06 | 22.25 | 22.44 | 22.64 |

*Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.046%/°C, Temperature Coefficient of Voc: -0.25%/°C, Temperature Coefficient of Pmax: -0.30%/°C*

*Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5*

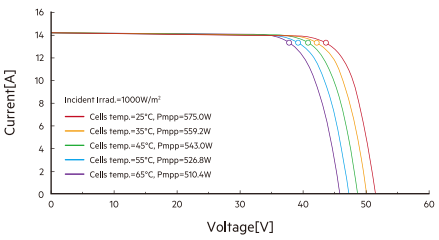
## NOCT——Electrical Characteristics

| | | | | |
|---|---|---|---|---|
| Maximum Power (Pmax/W) | 429 | 432 | 436 | 440 |
| Open-circuit Voltage (Voc/V) | 48.5 | 48.6 | 48.8 | 49.0 |
| Maximum Power Voltage (Vmp/V) | 41.0 | 41.2 | 41.4 | 41.6 |
| Short-circuit Current (Isc/A) | 11.32 | 11.37 | 11.42 | 11.46 |
| Maximum Power Current (Imp/A) | 10.44 | 10.49 | 10.53 | 10.57 |

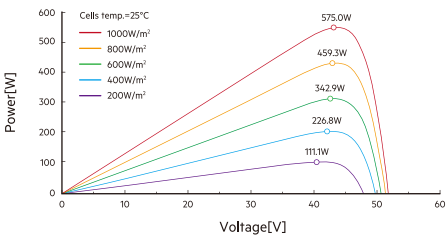
*Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s*

## I-V Curve

Current-Voltage Curve




Power-Voltage Curve




Current-Voltage Curve