



# TOPCon

DHN-72X16/FS(BW)

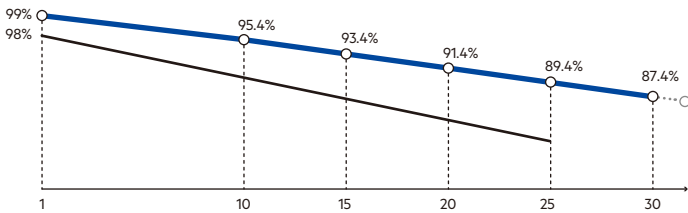
**560~580W**

# Full Screen PV Module

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

## Quality Guarantee

12-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  $\leq 1\%$ , 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

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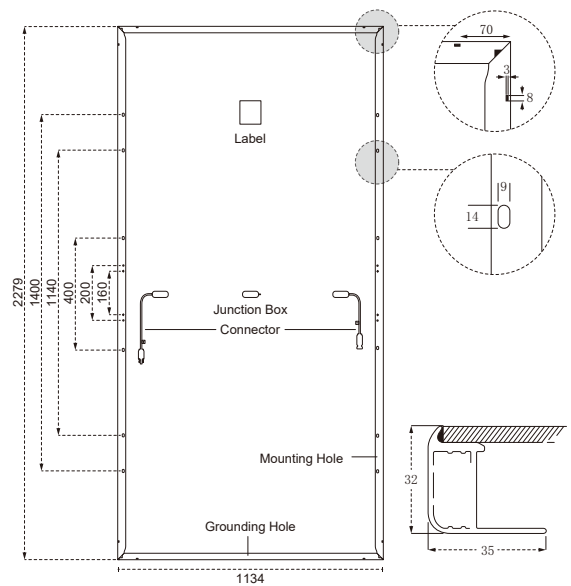
# 560~580W



## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 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
<b>Weight</b>	<b>29kg</b>
<b>Cells Type</b>	<b>N-type 182×91mm</b>
<b>Dimension (L×W×T)</b>	<b>2279×1134×32mm</b>
<b>Packing</b>	<b>34pcs/Pallet, 680pcs/40HQ</b>

## 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)	560	565	570	575	580
Open-circuit Voltage (Voc/V)	50.6	50.8	51.0	51.2	51.4
Maximum Power Voltage (Vmp/V)	42.8	43.0	43.2	43.4	43.6
Short-circuit Current (Isc/A)	13.90	13.96	14.02	14.08	14.14
Maximum Power Current (Imp/A)	13.08	13.14	13.19	13.25	13.30
Module Efficiency (%)	21.67	21.86	22.06	22.25	22.44

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/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

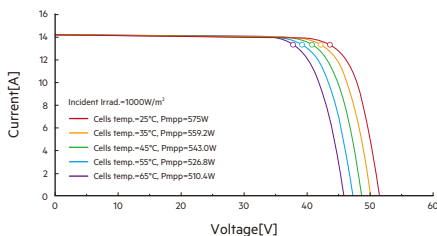
## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	421	425	429	432	436
Open-circuit Voltage (Voc/V)	48.1	48.3	48.5	48.6	48.8
Maximum Power Voltage (Vmp/V)	40.7	40.9	41.0	41.2	41.4
Short-circuit Current (Isc/A)	11.22	11.27	11.32	11.37	11.42
Maximum Power Current (Imp/A)	10.36	10.40	10.44	10.49	10.53

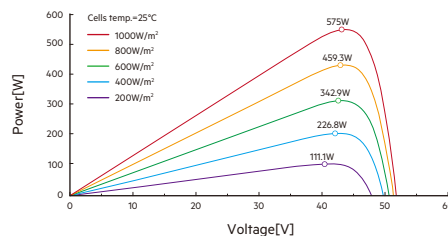
Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

