

# TOPCon

DHN-72X16(BW)

0~+5W

## 575~590W



### 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

## 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

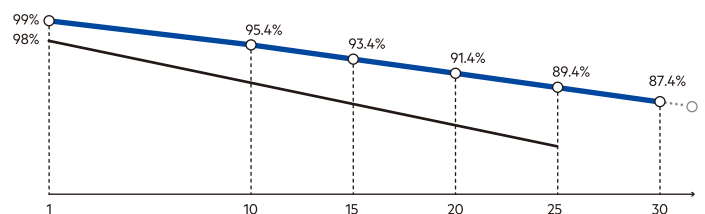
ISO 9001: 2015/Quality management system



## Quality Guarantee

15-Year Material & Technology Warranty

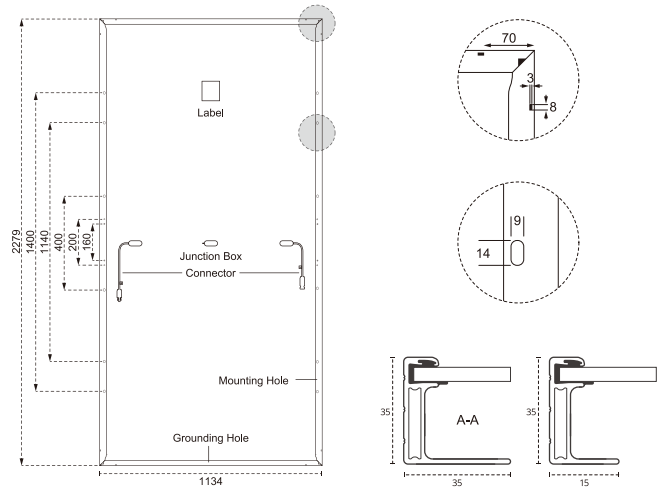
30-Year Linear Power Output Warranty



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

### Mechanical Specification

Cable	4.0mm <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
Weight	29kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2279×1134×35mm
Packing	31pcs/Pallet, 620pcs/40HQ



### STC-Electrical Characteristics

Module Type	DHN-72X16(BW)			
Maximum Power (Pmax/W)	575	580	585	590
Open-circuit Voltage (Voc/V)	51.2	51.4	51.6	51.8
Maximum Power Voltage (Vmp/V)	43.4	43.6	43.8	44.0
Short-circuit Current (Isc/A)	14.08	14.14	14.20	14.26
Maximum Power Current (Imp/A)	13.25	13.30	13.36	13.41
Module Efficiency (%)	22.25	22.44	22.64	22.83

Standard Test Environment : Irradiance 1000W/m<sup>2</sup> , Cell temperature 25°C, Spectrum AM1.5

### NOCT—Electrical Characteristics

Maximum Power (Pmax/W)	432	436	440	444
Open-circuit Voltage (Voc/V)	48.6	48.8	49.0	49.2
Maximum Power Voltage (Vmp/V)	41.2	41.4	41.6	41.8
Short-circuit Current (Isc/A)	11.37	11.42	11.46	11.51
Maximum Power Current (Imp/A)	10.49	10.53	10.57	10.61

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

### 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/24.00Pa
--	----------------

### I-V Curve

