

# TOPCon

DHN-54X16/DG(BB)

0~+5W

## 420~430W



### 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  $\leq 1\%$ , 2-30 year  $\leq 0.4\%$



### 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

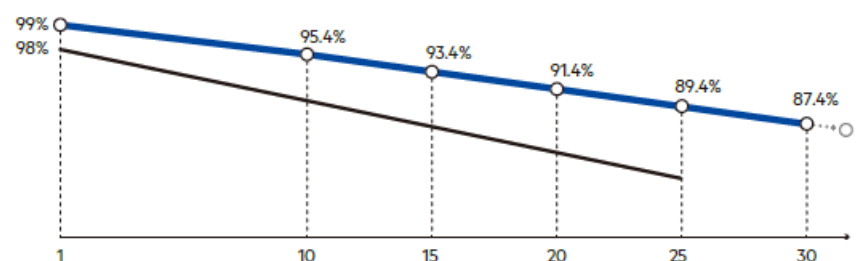
ISO 9001: 2015/Quality management system



## Quality Guarantee

15-Year Material & Technology Warranty

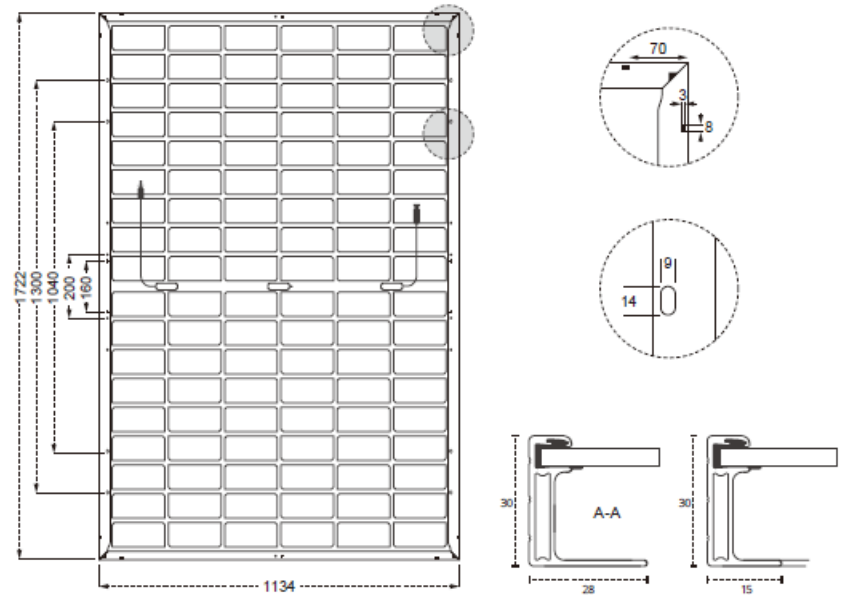
30-Year Linear Power Output Warranty



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

### Mechanical Specification

Cable	4.0mm <sup>2</sup> , 350/250mm in length,
(Including Connector)	length can be customized
No.of Cells	108 (6×18)
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	24kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1722×1134×30mm
Packing	36pcs/Pallet, 936pcs/40HQ



### Electrical Characteristics

Module Type	DHN-54X16/DG(BB)						
	STC		NOCT		STC		NOCT
Maximum Power (Pmax)	420	316	425	320	430	323	
Open-circuit Voltage (Voc)	37.6	35.72	37.8	35.91	38.0	36.10	
Maximum Power Voltage (Vmp)	32.1	30.50	32.3	30.69	32.5	30.88	
Short-Circuit Current (Isc)	13.72	11.08	13.78	11.13	13.84	11.17	
Maximum Power Current (Imp)	13.08	10.36	13.16	10.42	13.23	10.47	
Module Efficiency (STC)	21.51		21.76		22.02		
Refer Bifacial Factor	80±5%						

STC: Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5  
NOCT: Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

### Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (Pmax)	441	446	452
	Module Efficiency (%)	22.58	22.85	23.12
15%	Maximum Power (Pmax)	483	489	495
	Module Efficiency (%)	24.73	25.03	25.32
25%	Maximum Power (Pmax)	525	531	538
	Module Efficiency (%)	26.89	27.21	27.53

### 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
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### I-V Curve

