

DHN-54X16/BF/FS(BB)

**430~435W**

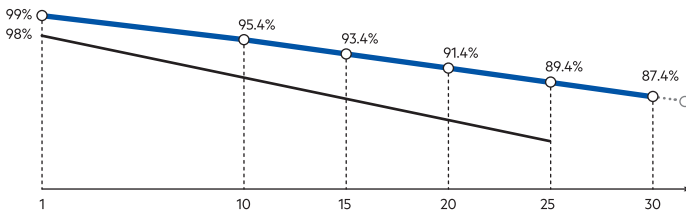
BIFACIAL

# Full Screen PV Module

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

## Quality Guarantee

25-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 / INMETRO  
ISO 45001: 2018/International standards for occupational health & safety  
ISO 14001: 2015/Standards for environmental management system  
ISO 9001: 2015/Quality management system



Global Patented Full Screen Technology, no dust or snow accumulation, increase power generation by 6-15%



TOPCon cells double-sided rate up to 85% and more back power generation by 5-25%



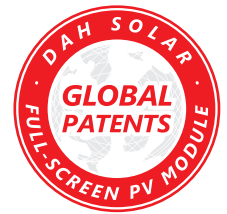
Higher power, longer service life linear power warranty for 30 years



TOPCon cells have a lower decay rate,  $\leq 1\%$  in the first year and  $\leq 0.4\%$  in the second year



Lower temperature coefficient, better high-temperature resistance, reduced power loss, and better high-temperature resistance



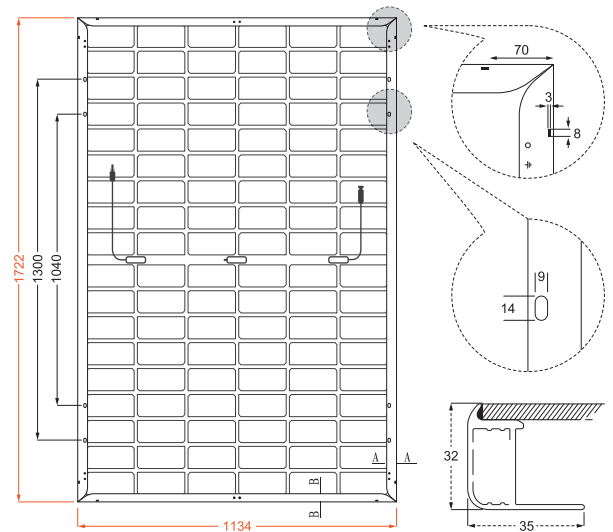
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/200mm in length, (Including connector) length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	20.1kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## Design



## Electrical Characteristics

### DHN-54X16/BF/FS(BB)

Module Type	STC	Noct	STC	Noct
Maximum Power (Pmax)	430	323	435	327
Open-circuit Voltage (Voc)	38.0	36.10	38.2	36.29
Maximum Power Voltage (Vmp)	32.5	30.88	32.7	31.07
Short-circuit Current (Isc)	13.84	11.17	13.90	11.22
Maximum Power Current (Imp)	13.23	10.47	13.30	10.53
Module Efficiency (STC)	22.02%		22.28%	

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

Refer Bifacial Factor: 80±5%

Temperature Coefficient of Voc: -0.25%/°C

Temperature Coefficient of Isc: 0.046%/°C

Temperature Coefficient of Pmax: -0.29%/°C

### Double-sided power generation parameters (Rear gain)

5%	Maximum Power (Pmax)	452	457
	Module Efficiency (%)	23.12	23.39
15%	Maximum Power (Pmax)	495	500
	Module Efficiency (%)	25.32	25.62
25%	Maximum Power (Pmax)	538	544
	Module Efficiency (%)	27.53	27.85

## I-V Curve

