



**TOPCon**

DHN-72X16/BF/FS

**570~585W**

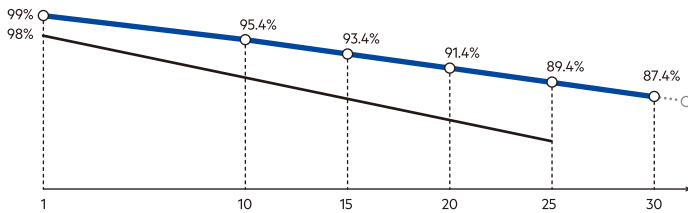
BIFACIAL

P V M o d u l e  
**Full Screen**

**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



**Higher Power Output**

Bifacial module back-side power increases 5-25%



**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/BF/FS

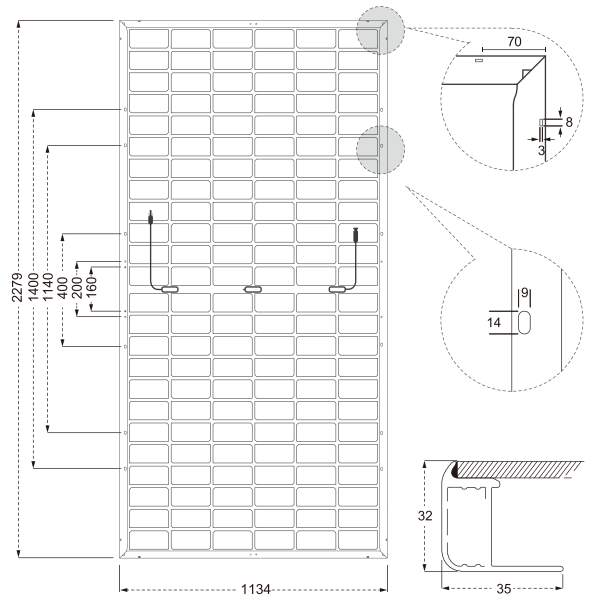
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## Mechanical Specification

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)	2279×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

## Design



## 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

## Electrical Characteristics

Module Type	DHN-72X16/BF/FS							
	STC		Noct		STC		Noct	
Maximum Power (Pmax)	570	424	575	428	580	432	585	440
Open-circuit Voltage (Voc)	51.0	47.8	51.2	48.0	51.4	48.2	51.6	49.0
Maximum Power Voltage (Vmp)	43.2	40.5	43.4	40.7	43.6	40.9	43.8	41.6
Short-circuit Current (Isc)	14.02	11.33	14.08	11.38	14.14	11.43	14.20	11.46
Maximum Power Current (Imp)	13.19	10.47	13.25	10.51	13.30	10.55	13.36	10.57
Module Efficiency (STC)	22.06%		22.25%		22.44%		22.64%	

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: -0.30%/°C

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

5%	Maximum Power (Pmax)	599	604	609	614.25
	Module Efficiency (%)	23.16	23.36	23.56	23.77
15%	Maximum Power (Pmax)	656	661	667	673
	Module Efficiency (%)	25.36	25.59	25.81	26.03
25%	Maximum Power (Pmax)	713	719	725	731
	Module Efficiency (%)	27.57	27.81	28.05	28.29

## I-V Curve

