



**TOPCon**

DHN-72X16/FS

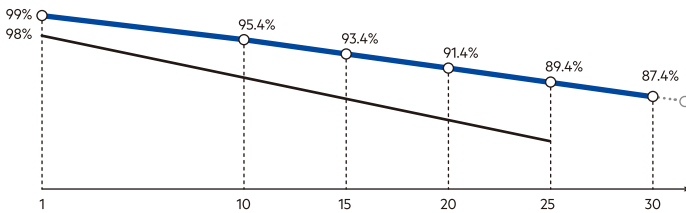
**560~580W**

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



**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/FS

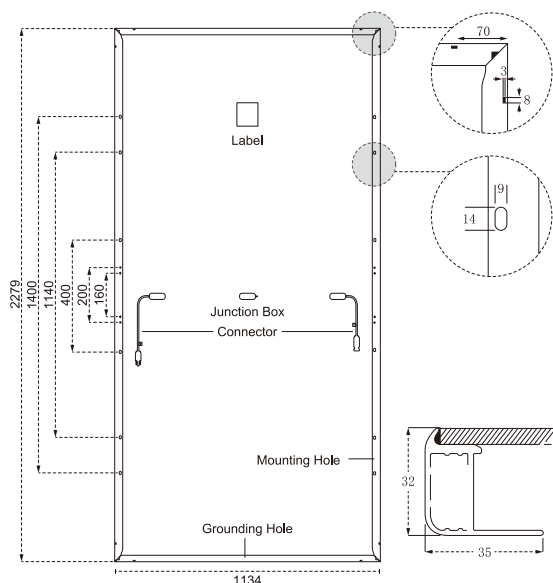
# 560~580W



## 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
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	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

