



TOPCon

DHN-72X16/FS(BW)

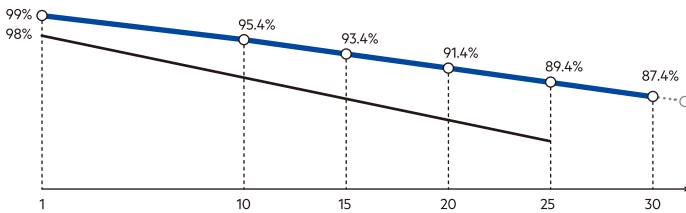
570~585W

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

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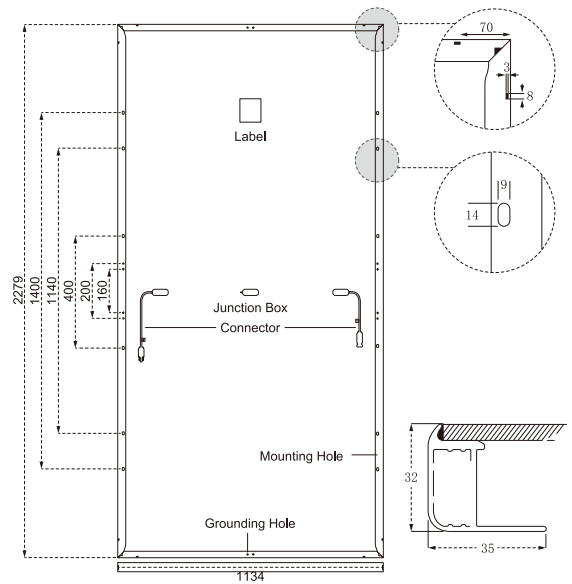
570~585W



Mechanical Specification

Cable	4.0mm ² , 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(BW)			
Maximum Power (Pmax/W)	570	575	580	585
Open-circuit Voltage (Voc/V)	51.0	51.2	51.4	51.6
Maximum Power Voltage (Vmp/V)	43.2	43.4	43.6	43.8
Short-circuit Current (Isc/A)	14.02	14.08	14.14	14.20
Maximum Power Current (Imp/A)	13.19	13.25	13.30	13.36
Module Efficiency (%)	22.06	22.25	22.44	22.64

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/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	429	432	436	440
Open-circuit Voltage (Voc/V)	48.5	48.6	48.8	49.0
Maximum Power Voltage (Vmp/V)	41.0	41.2	41.4	41.6
Short-circuit Current (Isc/A)	11.32	11.37	11.42	11.46
Maximum Power Current (Imp/A)	10.44	10.49	10.53	10.57

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve

