



TOPCon

DHN-54X16/FS(BB)

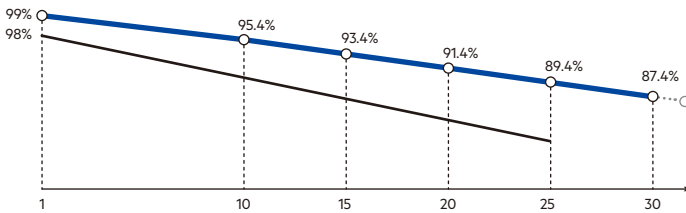
420~430W

Full Screen PV Module

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 $\leq 1\%$, 2-30 year $\leq 0.4\%$; 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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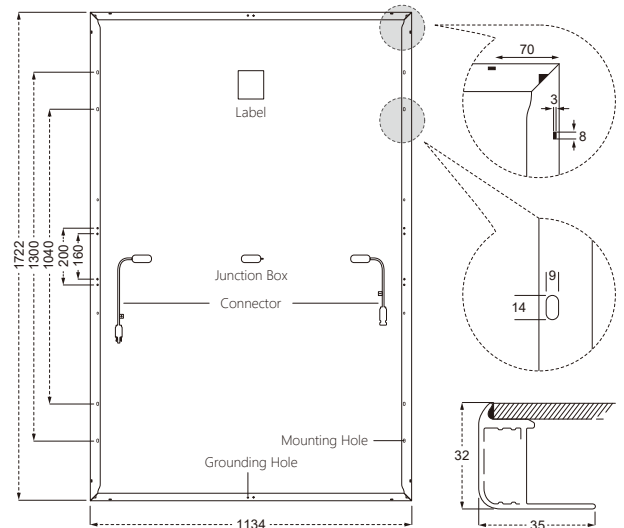
Mechanical Specification

Cable	4.0mm ² , 350/250mm 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	22kg
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	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Design



STC — Electrical Characteristics

Module Type	DHN-54X16/FS(BB)		
Maximum Power (Pmax/W)	420	425	430
Open-circuit Voltage (Voc/V)	37.6	37.8	38.0
Maximum Power Voltage (Vmp/V)	32.1	32.3	32.5
Short-circuit Current (Isc/A)	13.72	13.78	13.84
Maximum Power Current (Imp/A)	13.08	13.16	13.23
Module Efficiency (%)	21.51	21.76	22.02

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)	316	320	323
Open-circuit Voltage (Voc/V)	35.72	35.91	36.10
Maximum Power Voltage (Vmp/V)	30.50	30.69	30.88
Short-circuit Current (Isc/A)	11.08	11.13	11.17
Maximum Power Current (Imp/A)	10.36	10.42	10.47

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

I-V Curve

