



TOPCon

DHN-54X16/FS

440W

Fire safety class:

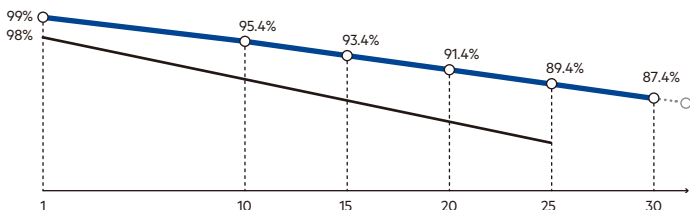
Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)

Full Screen

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 / 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

* Subject to the terms and conditions contained in the applicable Warranty Statement.
Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.



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

First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$



Lower Temp. Coefficient

More power generation under high-temperature



Better Dim Light Performance

Excellent performance under dim light

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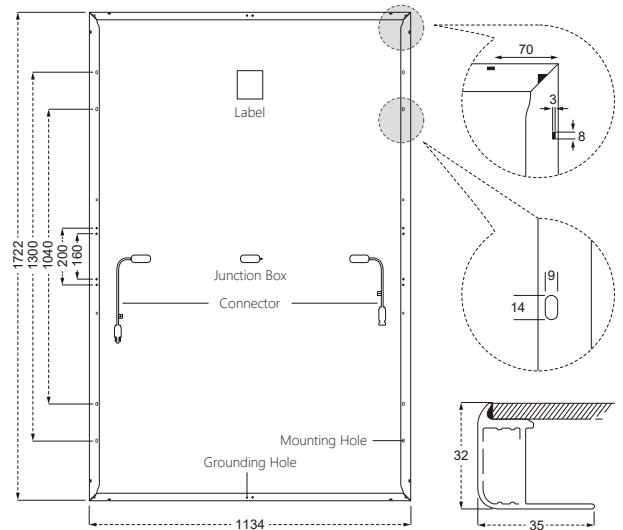
Mechanical Specification

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	PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors
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
Maximum Power (P _{max} /W)	440
Open-circuit Voltage (V _{oc} /V)	38.4
Maximum Power Voltage (V _{mp} /V)	32.9
Short-circuit Current (I _{sc} /A)	13.96
Maximum Power Current (I _{mp} /A)	13.37
Module Efficiency (%)	22.53

Power Tolerance: 0~+5W, Temperature Coefficient of I_{sc}: 0.046%/°C, Temperature Coefficient of V_{oc}: -0.25%/°C, Temperature Coefficient of P_{max}: -0.30%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5 Tolerances: P_{max}=±3%, V_{oc}=±3%, I_{sc}±3%

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	331
Open-circuit Voltage (V _{oc} /V)	36.5
Maximum Power Voltage (V _{mp} /V)	31.3
Short-circuit Current (I _{sc} /A)	11.27
Maximum Power Current (I _{mp} /A)	10.59

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

I-V Curve

