



# TOPCon

DHN-60X16/FS(BW)

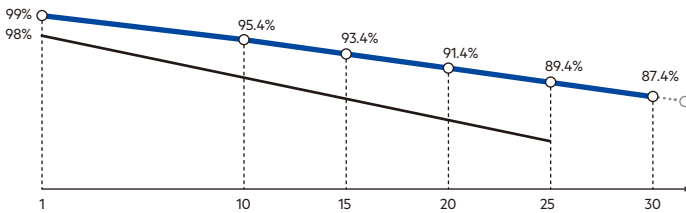
## 470~485W

# 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

First-year ≤1%, 2-30 year ≤0.4%



#### Lower Temp. Coefficient

More power generation under high-temperature



#### Better Dim Light Performance

Excellent performance under dim light

# DHN-60X16/FS(BW)

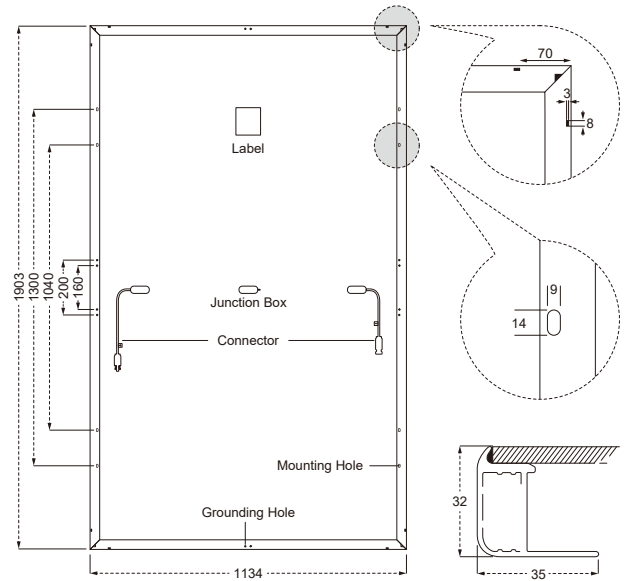
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## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	120 (6×20)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	23.8kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×32mm
Packing	34pcs/Pallet, 816pcs/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-60X16/FS(BW)			
Maximum Power (Pmax/W)	470	475	480	485
Open-circuit Voltage (Voc/V)	42.4	42.6	42.8	43.0
Maximum Power Voltage (Vmp/V)	36.0	36.2	36.4	36.6
Short-circuit Current (Isc/A)	13.90	13.96	14.02	14.08
Maximum Power Current (Imp/A)	13.06	13.12	13.19	13.25
Module Efficiency (%)	21.78	22.01	22.24	22.47

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)	353	357	361	365
Open-circuit Voltage (Voc/V)	40.3	40.5	40.7	40.9
Maximum Power Voltage (Vmp/V)	34.2	34.4	34.6	34.8
Short-circuit Current (Isc/A)	11.22	11.27	11.32	11.37
Maximum Power Current (Imp/A)	10.33	10.39	10.44	10.49

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve

