



**TOPCon**

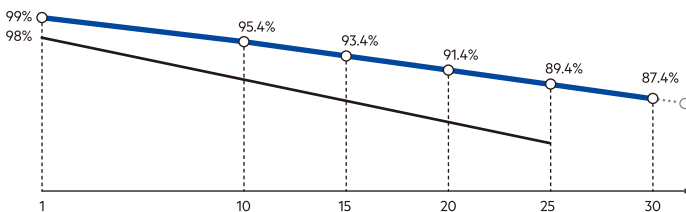
DHN-T56X10/FS(BW)  
**440~450W**

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-T56X10/FS(BW)

# 440~450W



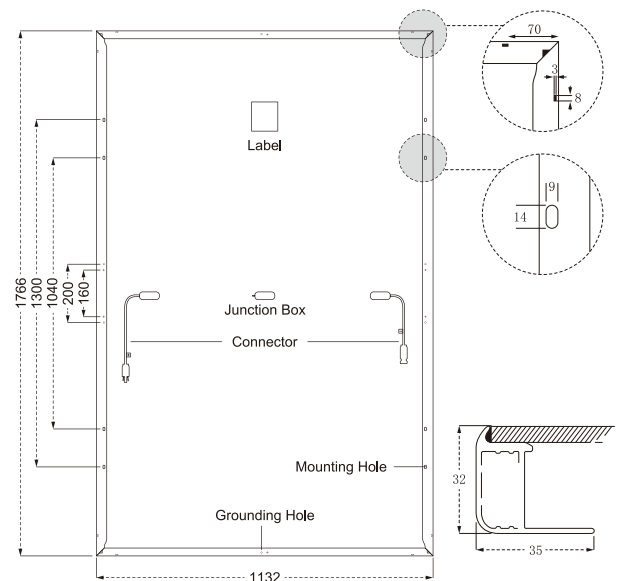
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	168 (6×28)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	22.5kg
Cells Type	N-type 182×60.7mm
Dimension (L×W×T)	1766×1132×32mm
Packing	34pcs/pallet, 884pcs/40HQ

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	42°C±2°C
Application level	Class A

## Design



## STC — Electrical Characteristics

Module Type	DHN-T56X10/FS(BW)		
Maximum Power (Pmax/W)	440	445	450
Open-circuit Voltage (Voc/V)	58.6	58.8	59.0
Maximum Power Voltage (Vmp/V)	49.7	49.9	50.1
Short-circuit Current (Isc/A)	9.43	9.49	9.55
Maximum Power Current (Imp/A)	8.85	8.92	8.98
Module Efficiency (%)	22.01	22.26	22.51

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)	334	338	342
Open-circuit Voltage (Voc/V)	56.1	56.3	56.5
Maximum Power Voltage (Vmp/V)	47.6	47.8	48.0
Short-circuit Current (Isc/A)	7.60	7.65	7.70
Maximum Power Current (Imp/A)	7.02	7.07	7.12

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

## I-V Curve

