



TOPCon

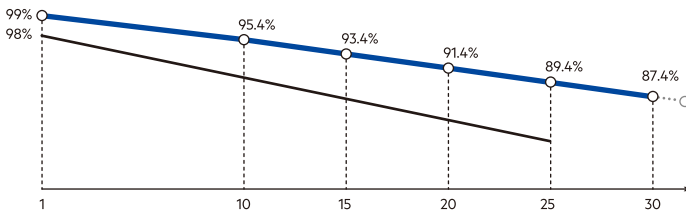
DHN-T56X16/FS(BW)
440~450W

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 $\leq 1\%$; 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

DHN-T56X16/FS(BW)

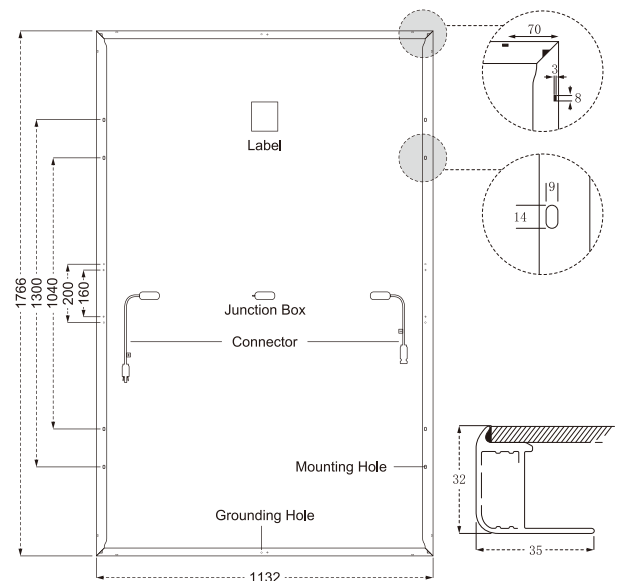
440~450W



Mechanical Specification

Cable	4.0mm ² , 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

Design



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

STC — Electrical Characteristics

Module Type	DHN-T56X16/FS(BW)		
Maximum Power (P _{max} /W)	440	445	450
Open-circuit Voltage (V _{oc} /V)	58.6	58.8	59.0
Maximum Power Voltage (V _{mp} /V)	49.7	49.9	50.1
Short-circuit Current (I _{sc} /A)	9.43	9.49	9.55
Maximum Power Current (I _{mp} /A)	8.85	8.92	8.98
Module Efficiency (%)	22.01	22.26	22.51

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

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	334	338	342
Open-circuit Voltage (V _{oc} /V)	56.1	56.3	56.5
Maximum Power Voltage (V _{mp} /V)	47.6	47.8	48.0
Short-circuit Current (I _{sc} /A)	7.60	7.65	7.70
Maximum Power Current (I _{mp} /A)	7.02	7.07	7.12

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

I-V Curve

