



TOPCon

DHN-60X16/FS(BW)

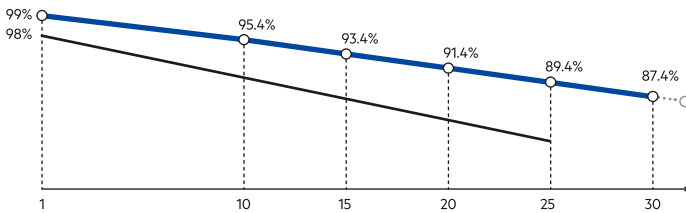
470~490W

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
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)

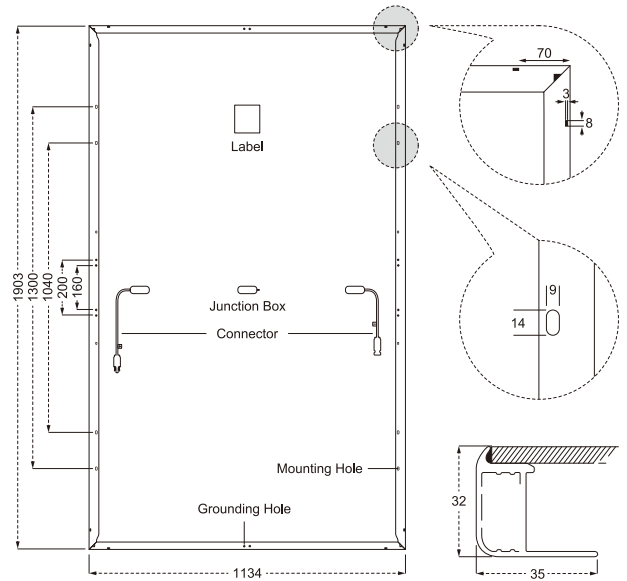
470~490W



Mechanical Specification

Cable	4.0mm ² , 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)				
	470	475	480	485	490
Maximum Power (Pmax/W)	470	475	480	485	490
Open-circuit Voltage (Voc/V)	42.4	42.6	42.8	43.0	43.2
Maximum Power Voltage (Vmp/V)	36.0	36.2	36.4	36.6	36.8
Short-circuit Current (Isc/A)	13.90	13.96	14.02	14.08	14.14
Maximum Power Current (Imp/A)	13.06	13.12	13.19	13.25	13.32
Module Efficiency (%)	21.78	22.01	22.24	22.47	22.71

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)	353	357	361	365	368
Open-circuit Voltage (Voc/V)	40.3	40.5	40.7	40.9	41.0
Maximum Power Voltage (Vmp/V)	34.2	34.4	34.6	34.8	35.0
Short-circuit Current (Isc/A)	11.22	11.27	11.32	11.37	11.42
Maximum Power Current (Imp/A)	10.33	10.39	10.44	10.49	10.54

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

I-V Curve

