

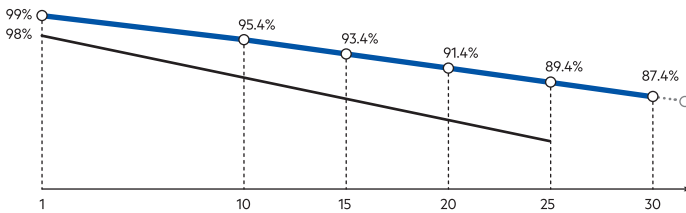
DHN-60X16/FS(BB)  
**475~485W**

# Full Screen P V M o d u l e

**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 / INMETRO  
ISO 45001: 2018/International standards for occupational health & safety  
ISO 14001: 2015/Standards for environmental management system  
ISO 9001: 2015/Quality management system



Global Patented Full Screen Technology,  
no dust or snow accumulation, increase power generation by 6-15%



Higher power, longer service life  
linear power warranty for 30 years



TOPCon cells have a lower decay rate,  
≤ 1% in the first year and ≤ 0.4% in the second year



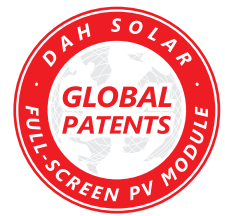
Lower temperature coefficient, better high-temperature resistance,  
reduced power loss, and better high-temperature resistance



LECO laser assisted sintering technology,  
reduces contact resistance and improves efficiency by 0.2% -0.5%

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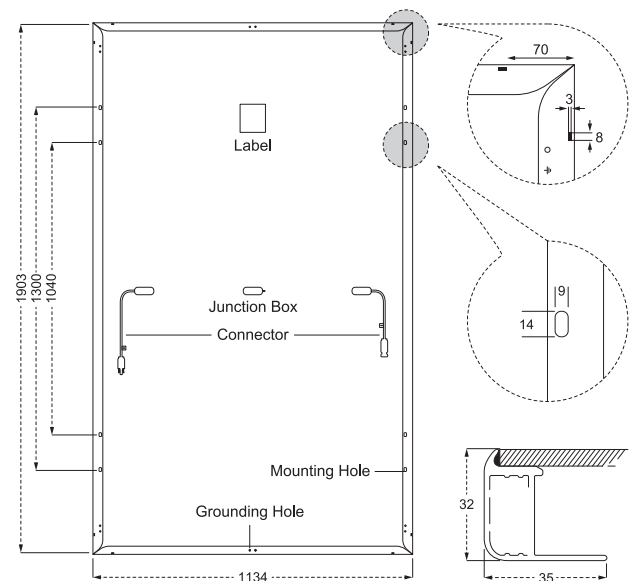
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/200mm 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	21.6kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×32mm
Packing	34pcs/Pallet, 816pcs/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-60X16/FS(BB)		
Maximum Power (Pmax/W)	475	480	485
Open-circuit Voltage (Voc/V)	42.6	42.8	43.0
Maximum Power Voltage (Vmp/V)	36.2	36.4	36.6
Short-circuit Current (Isc/A)	13.96	14.02	14.08
Maximum Power Current (Imp/A)	13.12	13.19	13.25
Module Efficiency (%)	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: -0.29%/°C

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	357	361	365
Open-circuit Voltage (Voc/V)	40.47	40.66	40.85
Maximum Power Voltage (Vmp/V)	34.39	34.58	34.77
Short-circuit Current (Isc/A)	11.27	11.32	11.37
Maximum Power Current (Imp/A)	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

