



**TOPCon**

DHN-60X16/FS(BB)

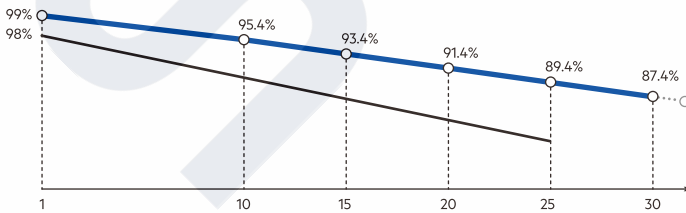
**470~485W**

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(BB)

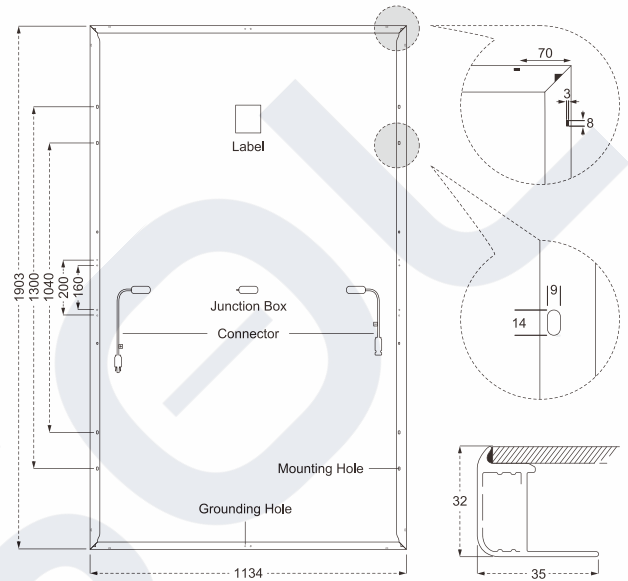
# 470~485W



## 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(BB) |       |       |       |
|-------------------------------|------------------|-------|-------|-------|
| 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

