

DHN-60R18/FS(BB)

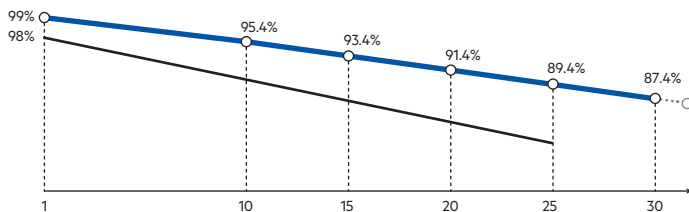
500~520W

Full Screen PV Module

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%



Rectangular cells (182mm x 191.6mm) with higher power



Maximize container utilization, increase loading capacity by 5.4%, and lower transportation costs



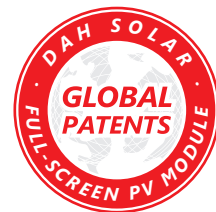
High power rectangular solar cells, saving bracket and cable costs, and lower BOS costs



TOPCon cells, lower attenuation, better temperature coefficient & dim light performance

DHN-60R18/FS(BB)

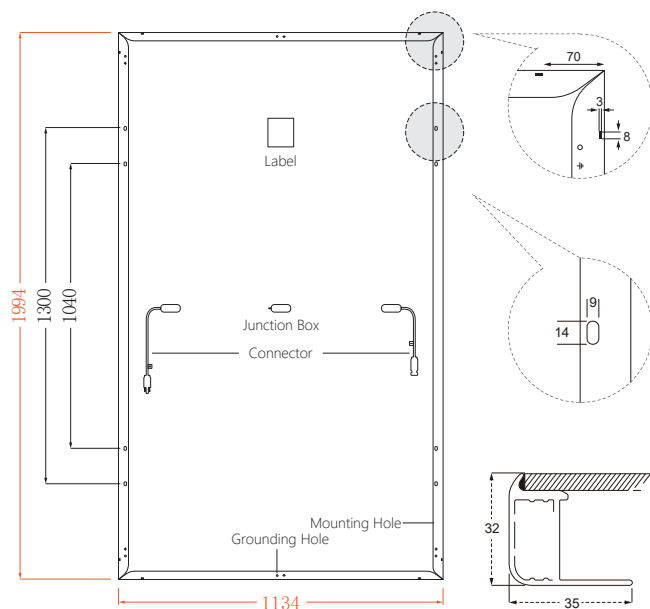
500~520W



Mechanical Specification

| | |
|-----------------------|---|
| Cable | 4.0mm ² , 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 | 21.7kg |
| Cells Type | N-type 182×95.8mm |
| Dimension (L×W×T) | 1994×1134×32mm |
| Packing | 34pcs/pallet, 748pcs/40HQ |

Design



Operating Parameters

| | |
|--|----------------|
| Maximum System Voltage | 1000V/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-60R18/FS(BB) | | | | |
|-------------------------------|------------------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 500 | 505 | 510 | 515 | 520 |
| Open-circuit Voltage (Voc/V) | 43.7 | 43.9 | 44.1 | 44.3 | 44.5 |
| Maximum Power Voltage (Vmp/V) | 37.1 | 37.3 | 37.5 | 37.7 | 37.9 |
| Short-circuit Current (Isc/A) | 14.48 | 14.54 | 14.60 | 14.66 | 14.72 |
| Maximum Power Current (Imp/A) | 13.48 | 13.54 | 13.60 | 13.66 | 13.72 |
| Module Efficiency (%) | 22.11 | 22.33 | 22.55 | 22.78 | 23.00 |

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/m², Cell temperature 25°C, Spectrum AM1.5

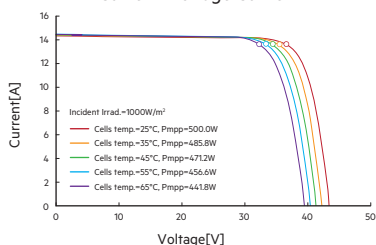
NOCT—Electrical Characteristics

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 376 | 380 | 384 | 387 | 391 |
| Open-circuit Voltage (Voc/V) | 41.5 | 41.7 | 41.9 | 42.1 | 42.3 |
| Maximum Power Voltage (Vmp/V) | 35.2 | 35.4 | 35.6 | 35.8 | 36.0 |
| Short-circuit Current (Isc/A) | 11.69 | 11.74 | 11.79 | 11.84 | 11.88 |
| Maximum Power Current (Imp/A) | 10.67 | 10.72 | 10.77 | 10.81 | 10.86 |

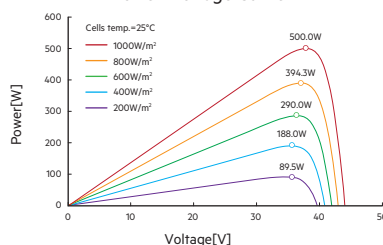
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

