

DHN-60R18/FS(BB)

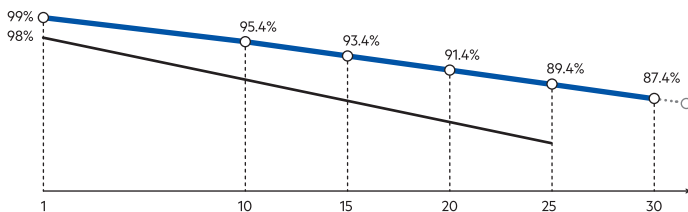
**500~525W**

# 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



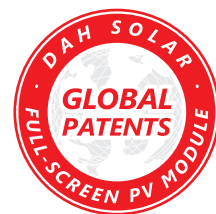
High power rectangular solar cells, saving bracket and cable costs, and lower BOS costs



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

# DHN-60R18/FS(BB)

# 500~525W



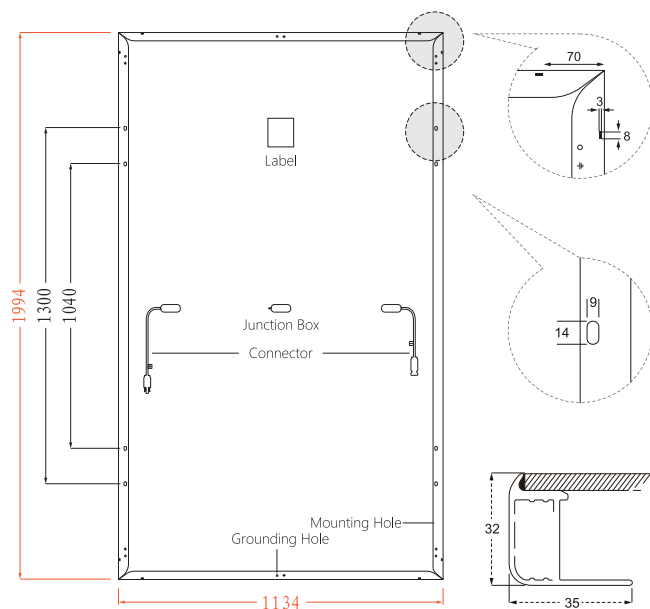
## Mechanical Specification

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

## 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

## Design



## STC—Electrical Characteristics

Module Type	DHN-60R18/FS(BB)					
Maximum Power (P <sub>max</sub> /W)	500	505	510	515	520	525
Open-circuit Voltage (V <sub>oc</sub> /V)	43.7	43.9	44.1	44.3	44.5	44.7
Maximum Power Voltage (V <sub>mp</sub> /V)	37.1	37.3	37.5	37.7	37.9	38.1
Short-circuit Current (I <sub>sc</sub> /A)	14.48	14.54	14.60	14.66	14.72	14.78
Maximum Power Current (I <sub>mp</sub> /A)	13.48	13.54	13.60	13.66	13.72	13.78
Module Efficiency (%)	22.11	22.33	22.55	22.78	23.00	23.22

Power Tolerance: 0~+5W, Temperature Coefficient of I<sub>sc</sub>: 0.046%/°C, Temperature Coefficient of V<sub>oc</sub>: -0.25%/°C, Temperature Coefficient of P<sub>max</sub>: -0.29%/°C

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

## NOCT—Electrical Characteristics

Maximum Power (P <sub>max</sub> /W)	376	380	384	387	391	395
Open-circuit Voltage (V <sub>oc</sub> /V)	41.5	41.7	41.9	42.1	42.3	42.5
Maximum Power Voltage (V <sub>mp</sub> /V)	35.2	35.4	35.6	35.8	36.0	36.2
Short-circuit Current (I <sub>sc</sub> /A)	11.69	11.74	11.79	11.84	11.88	11.93
Maximum Power Current (I <sub>mp</sub> /A)	10.67	10.72	10.77	10.81	10.86	10.91

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve

