

DHN-72R18/FS(BB)

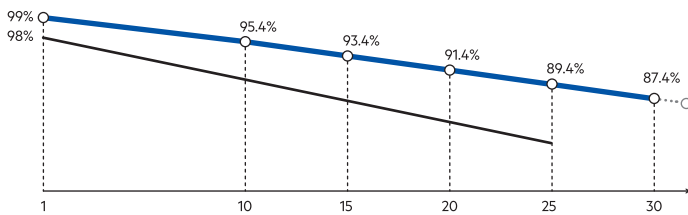
**610~630W**

# Full Screen PV Module

**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 / 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



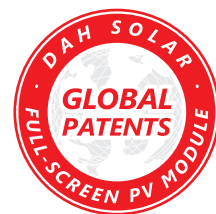
High power rectangular solar cells, saving bracket and cable costs, and lower BOS costs



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

# DHN-72R18/FS(BB)

# 610~630W



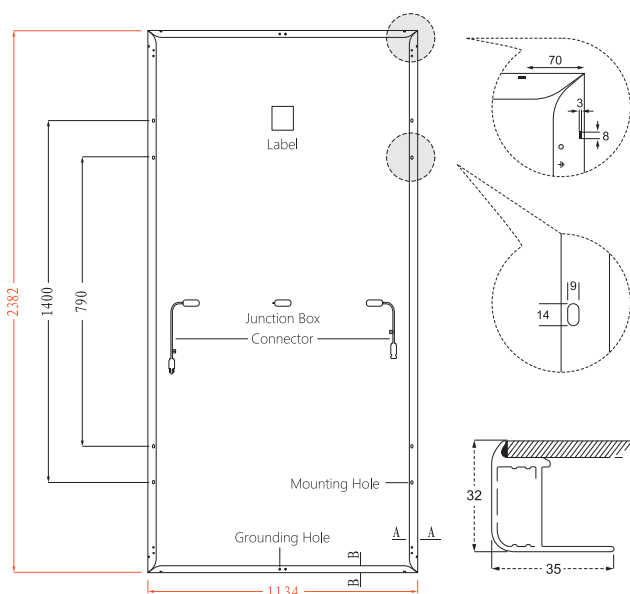
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/200mm in length,
(Including Connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	27.9kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	2382×1134×32mm
Packing	34pcs/pallet, 680pcs/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-72R18/FS(BB)				
Maximum Power (P <sub>max</sub> /W)	610	615	620	625	630
Open-circuit Voltage (V <sub>oc</sub> /V)	52.4	52.6	52.8	53.0	53.2
Maximum Power Voltage (V <sub>mp</sub> /V)	44.6	44.8	45.0	45.2	45.4
Short-circuit Current (I <sub>sc</sub> /A)	14.72	14.78	14.84	14.90	14.96
Maximum Power Current (I <sub>mp</sub> /A)	13.68	13.73	13.78	13.83	13.88
Module Efficiency (%)	22.58	22.77	22.95	23.14	23.32

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)	459	462	466	470	474
Open-circuit Voltage (V <sub>oc</sub> /V)	49.8	50.0	50.2	50.4	50.5
Maximum Power Voltage (V <sub>mp</sub> /V)	42.4	42.6	42.8	42.9	43.1
Short-circuit Current (I <sub>sc</sub> /A)	11.88	11.93	11.98	12.03	12.08
Maximum Power Current (I <sub>mp</sub> /A)	10.83	10.87	10.91	10.95	10.98

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

## I-V Curve

