

# DHN-60R20/FS(BW)-520W

Full-Screen Single Glass PV Module

## Comprehensive Products & System Certificates

IIEC 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

 Material & technology warranty

 Linear power output warranty



No-Busbar(NBB) Technology, shorten 40% of the transmission distance.  
Reduces losses & improving conversion efficiency



Frameless design, installable both vertically & horizontally,  
No water, no dust, snow slide fast, power generation increased by 6-15%



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

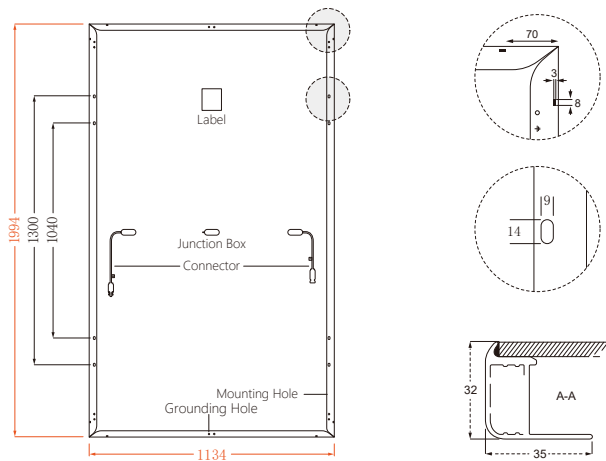


TOPCon cells, lower attenuation,  
better temperature coefficient & dim ligh performance

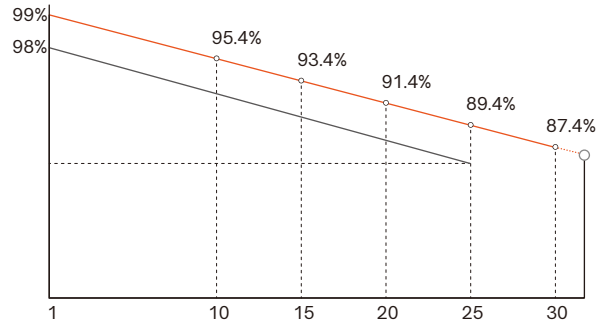


# DHN-60R20/FS(BW)-520W

## Design



## 30-Year Linear Power Output Warranty



- DAH Solar linear power output guarantee
- Standard linear power output guarantee

## Mechanical Specification

No. of Cells	120 (6×20)
Weight	21.7kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	1994×1134×32mm
Packing	34pcs/Pallet, 748pcs/40HQ

Cable	4.0mm <sup>2</sup> , 300/200mm in length, (including connector) length can be customized
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors

## STC-Electrical Characteristics

Module Type	DHN-60R20/FS(BW)-520W
Maximum Power (P <sub>max</sub> /W)	520
Open-circuit Voltage (V <sub>oc</sub> /V)	44.5
Maximum Power Voltage (V <sub>mp</sub> /V)	37.9
Short-circuit Current (I <sub>sc</sub> /A)	14.72
Maximum Power Current (I <sub>mp</sub> /A)	13.72
Module Efficiency (%)	23.00
STC-Standard Test Environment: Irradiance 1000W/m <sup>2</sup> , Cell temperature 25°C, Spectrum AM1.5	
Tolerance: P <sub>max</sub> =±3%, V <sub>oc</sub> =±3%, I <sub>sc</sub> =±3%	

## NOCT-Electrical Characteristics

Maximum Power (P <sub>max</sub> /W)	391
Open-circuit Voltage (V <sub>oc</sub> /V)	42.3
Maximum Power Voltage (V <sub>mp</sub> /V)	36.0
Short-circuit Current (I <sub>sc</sub> /A)	11.88
Maximum Power Current (I <sub>mp</sub> /A)	10.86
NOCT-Standard Test Environment: Irradiance 800W/m <sup>2</sup> , Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s	

## Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A
Power sorting tolerance	0 ~ 5W

## Temperature Coefficient

Temperature Coefficient of I <sub>sc</sub> (ΔI <sub>sc</sub> )	0.046%/°C
Temperature Coefficient of V <sub>oc</sub> (ΔV <sub>oc</sub> )	-0.25%/°C
Temperature Coefficient of P <sub>max</sub> (ΔP <sub>mp</sub> )	-0.29%/°C
Fire class	CLASS C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa