



# TOPCon

DHN-60R18/DG(BB)

0~+5W

## 495~510W



### Higher Power Generation Efficiency

N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module



### Higher Power Output

Bifacial module with dual glass back-side power increases 5-25%



### Lower Degradation Rate, PID Resistance

First-year  $\leq 1\%$ , 2-30 year  $\leq 0.4\%$ ; excellent Anti-PID performance



### Lower Temp. Coefficient

More power generation under high-temperature



### Better Dim Light Performance

Excellent performance under dim light

## 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

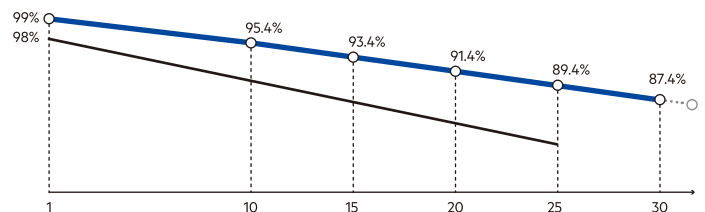
ISO 9001: 2015/Quality management system



## Quality Guarantee

15-Year Material & Technology Warranty

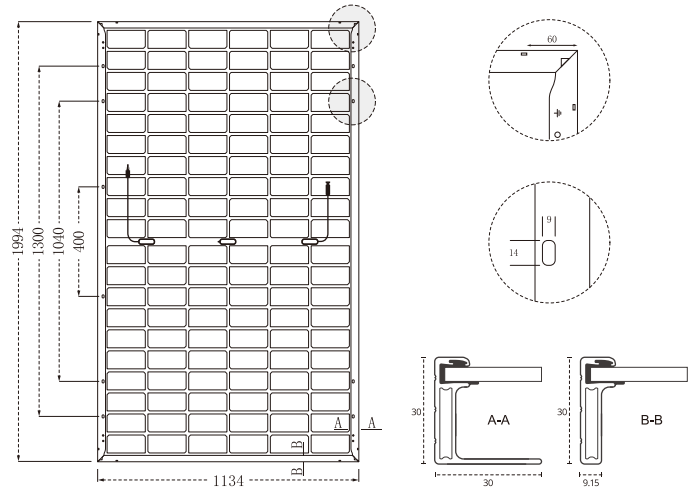
30-Year Linear Power Output Warranty



▲ DAH Solar Linear power output guarantee    ▲ Standard Linear power output guarantee

### 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	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	28.1kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	1994×1134×30mm
Packing	36pcs/Pallet, 792pcs/40HQ



### Electrical Characteristics

Module Type	DHN-60R18/DG(BB)							
	STC		NOCT		STC		NOCT	
Maximum Power (Pmax)	495	372	500	376	505	380	510	384
Open-circuit Voltage (Voc)	43.5	41.3	43.7	41.5	43.9	41.7	44.1	41.9
Maximum Power Voltage (Vmp)	36.9	35.1	37.1	35.2	37.3	35.4	37.5	35.6
Short-Circuit Current (Isc)	14.42	11.64	14.48	11.69	14.54	11.74	14.60	11.79
Maximum Power Current (Imp)	13.41	10.62	13.48	10.67	13.54	10.72	13.60	10.77
Module Efficiency (STC)	21.89%		22.11%		22.33%		22.55%	
Refer Bifacial Factor	80±5%							

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

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

### Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (Pmax)	520	525	530	536
	Module Efficiency (%)	23.0	23.2	23.4	23.7
15%	Maximum Power (Pmax)	569.3	575.0	580.8	586.5
	Module Efficiency (%)	25.2	25.4	25.7	25.9
25%	Maximum Power (Pmax)	618.8	625.0	631.3	637.5
	Module Efficiency (%)	27.4	27.6	27.9	28.2

### Operating Parameters

Maximum System Voltage	1500V DC
Power Tolerance	0~+5W
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

### Temperature Coefficient

Temperature Coefficient of Isc ( α Isc )	0.046%/°C
Temperature Coefficient of Voc ( β Voc )	-0.25%/°C
Temperature Coefficient of Pmax ( γ Pmp )	-0.30%/°C

### Mechanical Loads

Snow load, frontside / Wind load, backside	5400Pa/2400Pa
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### I-V Curve

