

DHN-60R18/FS(BB)

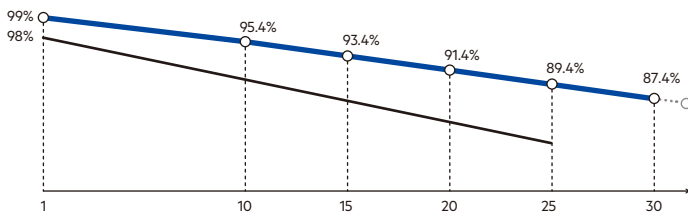
500~520W

Full Screen P V M o d u l e

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 / FIDE / INMETRO
ISO 45001: 2018/International standards for occupational health & safety
ISO 14001: 2015/Standards for environmental management system
ISO 9001: 2015/Quality management system



Full-Screen Technology Increases Power Generation by 6-15%

No water and dust, which reduces the power loss and maintenance cost



Higher Power Generation Efficiency

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



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

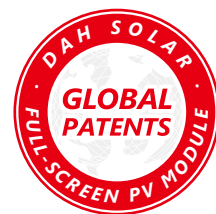


Better Dim Light Performance

Excellent performance under dim light

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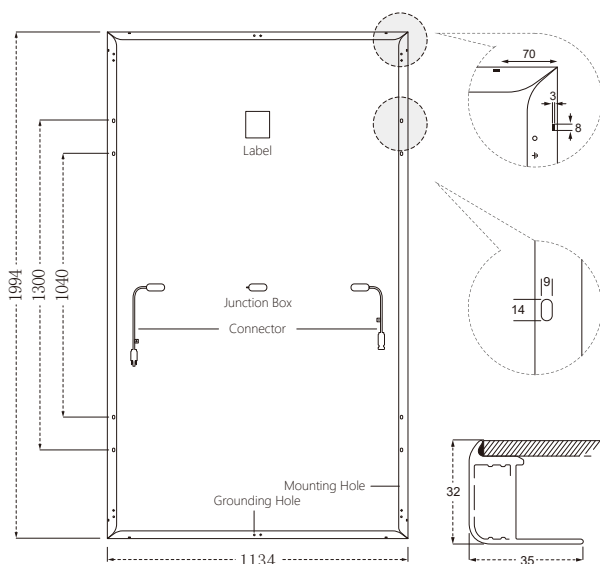
500~520W



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	25.6kg
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	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)				
	500	505	510	515	520
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: -0.30%/°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

