

DHN-60R18/FS(BB)

500~520W

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

 25 Material & technology warranty

 30 Linear power output warranty



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

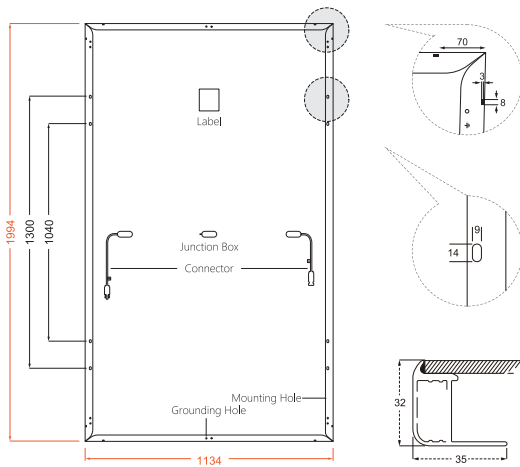


TOPCon cells, lower attenuation,
better temperature coefficient & dim light performance

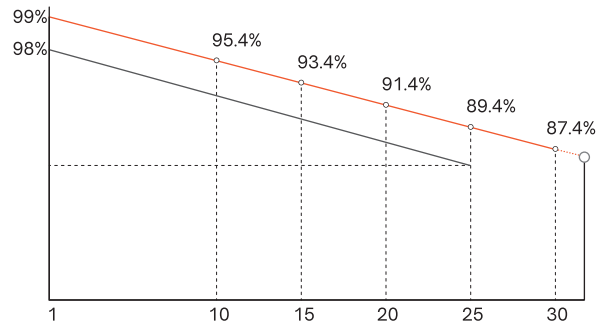


DHN-60R18/FS(BB) 500~520W

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(Including connector)	4.0mm ² , 300/200mm in length, length can be customized
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

STC-Electrical Characteristics

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

STC-Standard Test Environment: Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT-Electrical Characteristics

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

NOCT-Standard Test Environment: Irradiance 800W/m², 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

Temperature Coefficient

Temperature Coefficient of I _{sc} (α _{Isc})	0.046%/°C
Temperature Coefficient of V _{oc} (β _{Voc})	-0.25%/°C
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa