

DBB

DHN-60R20/FS(BB) 500~525W

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

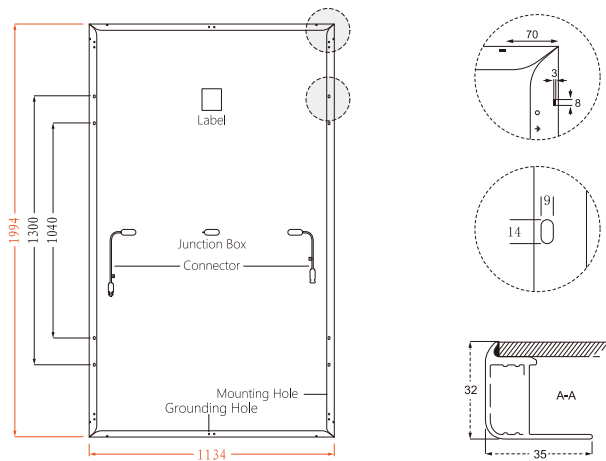


TOPCon cells, lower attenuation,
better temperature coefficient & dim light performance

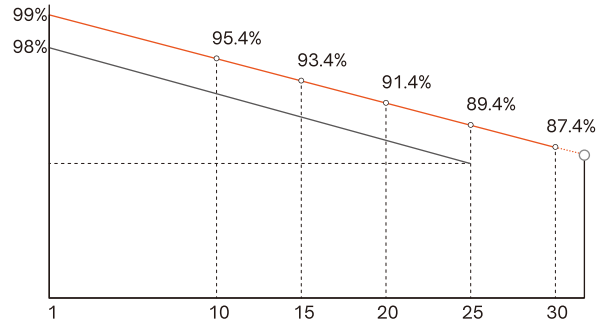


DHN-60R20/FS(BB) 500~525W

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 ² , 300/200mm in length, (Including connector) 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-60R20/FS(BB)					
	500	505	510	515	520	525
Maximum Power (P _{max} /W)	500	505	510	515	520	525
Open-circuit Voltage (V _{oc} /V)	43.7	43.9	44.1	44.3	44.5	44.7
Maximum Power Voltage (V _{mp} /V)	37.1	37.3	37.5	37.7	37.9	38.1
Short-circuit Current (I _{sc} /A)	14.48	14.54	14.60	14.66	14.72	14.78
Maximum Power Current (I _{mp} /A)	13.48	13.54	13.60	13.66	13.72	13.78
Module Efficiency (%)	22.11	22.33	22.55	22.78	23.00	23.22

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	395
Open-circuit Voltage (V _{oc} /V)	41.5	41.7	41.9	42.1	42.3	42.5
Maximum Power Voltage (V _{mp} /V)	35.2	35.4	35.6	35.8	36.0	36.2
Short-circuit Current (I _{sc} /A)	11.69	11.74	11.79	11.84	11.88	11.93
Maximum Power Current (I _{mp} /A)	10.67	10.72	10.77	10.81	10.86	10.91

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} (αI _{sc})	0.046%/°C
Temperature Coefficient of V _{oc} (βV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa