

DBB

DHN-66Z20/DG

630~650W

High Efficiency Double Glass PV Module

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

15 Material & technology warranty

30 Linear power output warranty



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



Bifacial Rate Up to 85% and More Back Power Generation by 5-25%



Double-glass Technology, higher encapsulation blocking and mechanical strength



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



Butyl rubber has extremely low water vapor permeability and excellent water vapor barrier properties



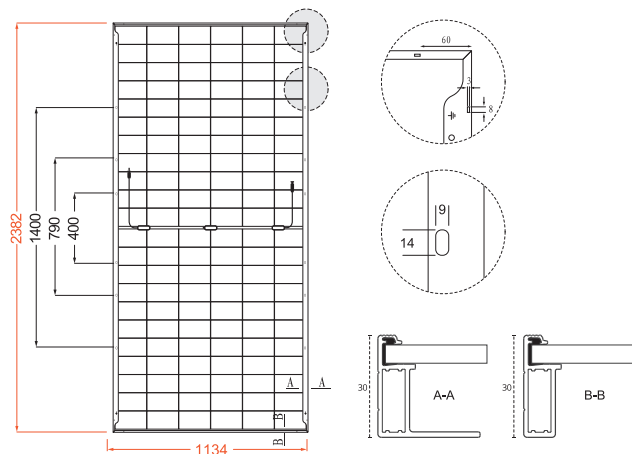
Butyl rubber has better reliability, excellent high-temperature stability, and weather resistance



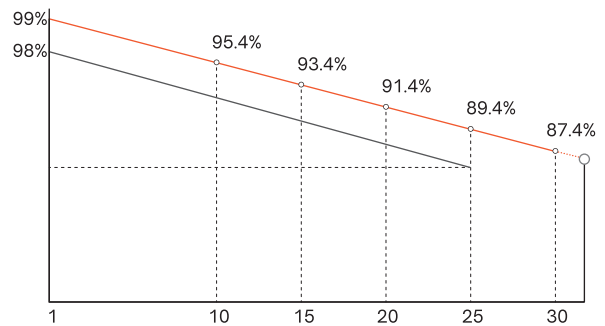
Butyl adhesive has good insulation and bonding properties

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Design



30-Year Linear Power Output Warranty



— DAH Solar linear power output guarantee
— Standard linear power output guarantee

Mechanical Specification

No. of Cells	132 (6×22)
Weight	32.7kg
Cells Type	N-type 184×107mm
Dimension (L×W×T)	2382×1134×30mm
Packing	36pcs/Pallet, 720pcs/40HQ

Cable(Including connector)	4.0mm ² , 300/200mm in length, length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Electrical Characteristics

Module Type	DHN-66Z20/DG									
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	630	475	635	479	640	482	645	486	650	490
Open-circuit Voltage (V _{oc} /V)	49.0	46.6	49.2	46.7	49.4	46.9	49.6	47.1	49.8	47.3
Maximum Power Voltage (V _{mp} /V)	41.7	39.6	41.9	39.8	42.1	40.0	42.3	40.2	42.5	40.4
Short-circuit Current (I _{sc} /A)	16.12	13.01	16.18	13.06	16.24	13.11	16.30	13.16	16.36	13.21
Maximum Power Current (I _{mp} /A)	15.11	11.98	15.16	12.02	15.20	12.06	15.25	12.10	15.29	12.13
Module Efficiency (STC)	23.32		23.51		23.69		23.88		24.06	
Refer Bifacial Factor	80±5%									

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

NOCT-Standard Test Environment: Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (P _{max})	662	667	672	677	683
	Module Efficiency (%)	24.5	24.7	24.9	25.1	25.3
15%	Maximum Power (P _{max})	724.5	730.3	736.0	741.8	747.5
	Module Efficiency (%)	26.8	27.0	27.2	27.5	27.7
25%	Maximum Power (P _{max})	787.5	793.8	800.0	806.3	812.5
	Module Efficiency (%)	29.2	29.4	29.6	29.8	30.1

Operating Parameters

Maximum System Voltage	1500V DC
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 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