DAH Solar
www.dahsolarpv.com

TIER 1
BloombergNEF

DHN-60X16/DG(BB)
475~485W
High Efficiency Double Glass PV Module

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

15 Material & technology warranty

30 Linear power output warranty

TOPCon cells double-sided rate up to 85% and more back power generation by 5-25%

Double-glass Technology, higher encapsulation blocking and mechanical strength

Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID

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

LECO laser assisted sintering technology, reduces contact resistance and improves efficiency by 0.2% -0.5%

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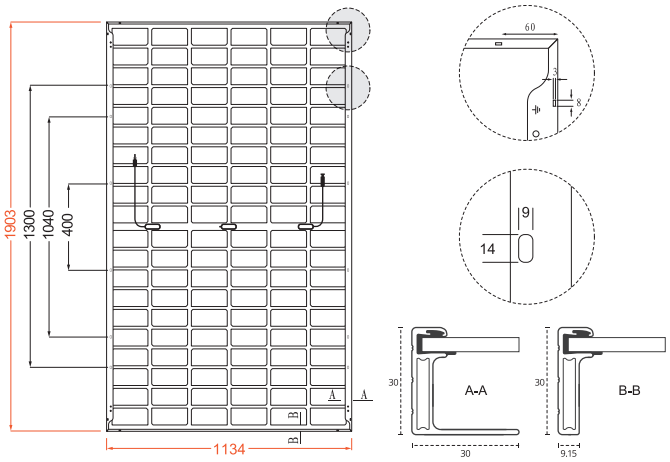
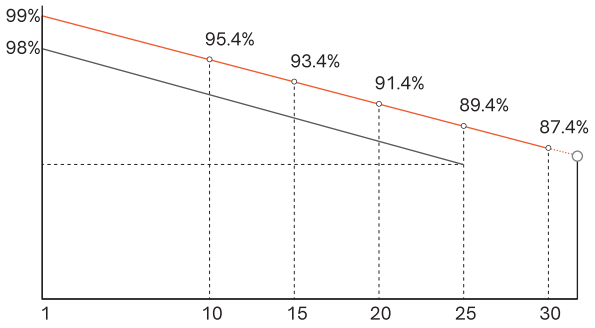
Design



30-Year Linear Power Output Warranty



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

Mechanical Specification

No.of Cells	120 (6×20)
Weight	26kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×30mm
Packing	36pcs/Pallet, 864pcs/40HQ

Cable (Including connector)	4.0mm², 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-60X16/DG(BB)					
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	475	357	480	361	485	365
Open-circuit Voltage (Voc/V)	42.6	40.47	42.8	40.66	43.0	40.85
Maximum Power Voltage (Vmp/V)	36.2	34.39	36.4	34.58	36.6	34.77
Short-circuit Current (Isc/A)	13.96	11.27	14.02	11.32	14.08	11.37
Maximum Power Current (Imp/A)	13.12	10.39	13.19	10.44	13.25	10.49
Module Efficiency (STC)	22.01%		22.24%		22.47%	
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 (Pmax)	499	504	509
	Module Efficiency (%)	23.11	23.35	23.60
15%	Maximum Power (Pmax)	546	552	558
	Module Efficiency (%)	25.31	25.58	25.85
25%	Maximum Power (Pmax)	594	600	606
	Module Efficiency (%)	27.51	27.80	28.09

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 Isc (αIsc)	0.046%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa

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