

DHN-48Z16/DG(CC) 380~400W

Colored 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

 Material & technology warranty

 Linear power output warranty

Multiple colors available,
High tech coatings guarantee color stability for 30 years



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



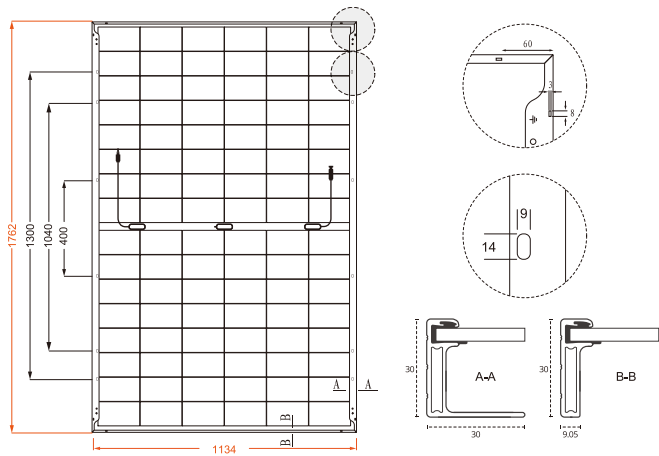
Double-glass Technology, higher encapsulation
blocking and mechanical strength



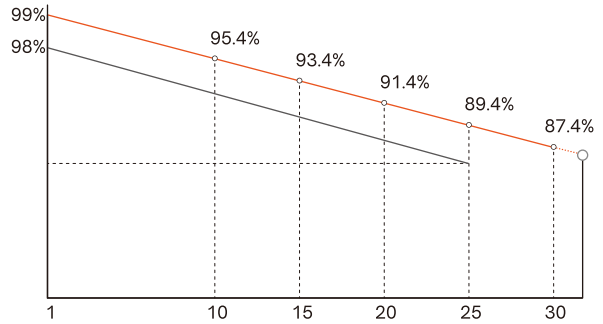
Fits various BIPV scenarios:
roof, curtain wall, balcony, garden, corridor and other scenes

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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	96 (6×16)
Weight	23.9kg
Cells Type	N-type 182×105mm
Dimension (L×W×T)	1762×1134×30mm
Packing	36pcs/Pallet, 936pcs/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-48Z16/DG(CC)											
	STC		NOCT		STC		NOCT		STC		NOCT	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	380	286	385	290	390	293	395	297	400	301		
Open-circuit Voltage (Voc/V)	35.22	33.45	35.25	33.49	35.29	33.52	35.32	33.55	35.36	33.59		
Maximum Power Voltage (Vmp/V)	30.34	28.82	30.37	28.85	30.41	28.88	30.44	28.92	30.48	28.95		
Short-circuit Current (Isc/A)	12.92	11.25	13.09	10.57	13.26	10.71	13.43	10.84	13.6	10.98		
Maximum Power Current (Imp/A)	12.53	9.92	12.68	10.03	12.83	10.15	12.98	10.27	13.13	10.39		
Module Efficiency (STC)	19.02%		19.27%		19.52%		19.77%		20.02%			
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)

Gain	Parameter	380W	390W	395W	400W
5%	Maximum Power (Pmax)	399	404	410	415
	Module Efficiency (%)	19.97	20.23	20.49	20.76
15%	Maximum Power (Pmax)	437	443	449	454
	Module Efficiency (%)	21.87	22.16	22.45	22.73
25%	Maximum Power (Pmax)	475	481	488	494
	Module Efficiency (%)	23.77	24.09	24.40	24.71

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 Isc (ΔIsc)	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