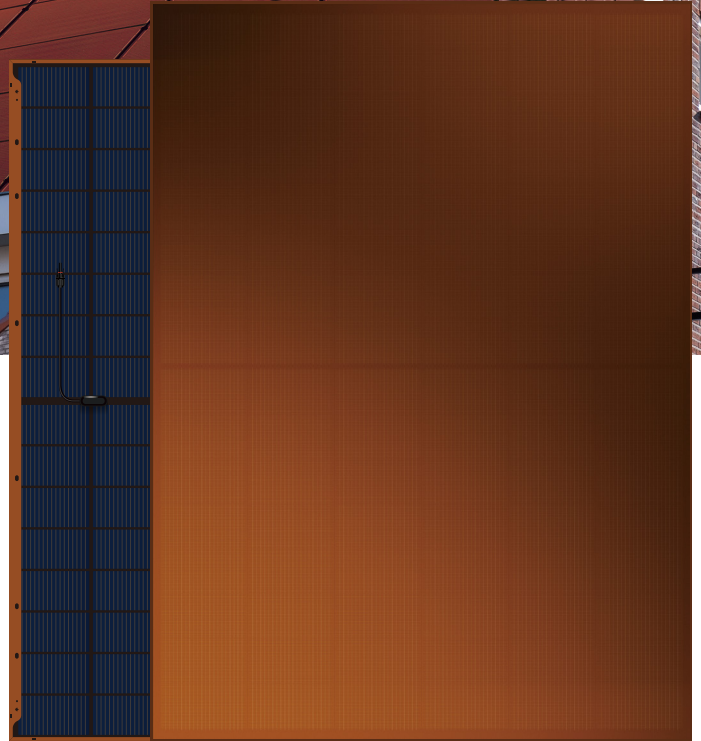


# DHN-48Z16/DG(RR) 380~400W


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%



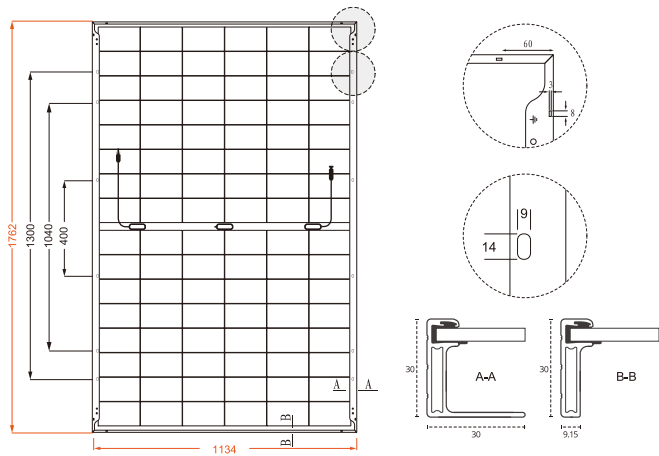
Double-glass Technology, higher encapsulation  
blocking and mechanical strength



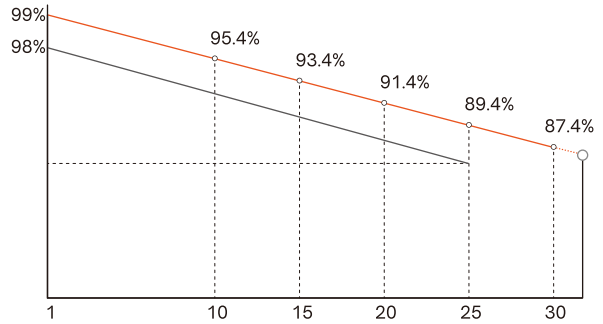
Fits various BIPV scenarios:  
roof, curtain wall, balcony, garden, corridor and other scenes

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

## 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 <sup>2</sup> , 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(RR)											
	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/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5  
 NOCT-Standard Test Environment: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (Pmax)	399	404	410	415	420
	Module Efficiency (%)	19.97	20.23	20.49	20.76	21.02
15%	Maximum Power (Pmax)	437	443	449	454	460
	Module Efficiency (%)	21.87	22.16	22.45	22.73	23.02
25%	Maximum Power (Pmax)	475	481	488	494	500
	Module Efficiency (%)	23.77	24.09	24.40	24.71	25.02

## 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 (dIsc)	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