

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

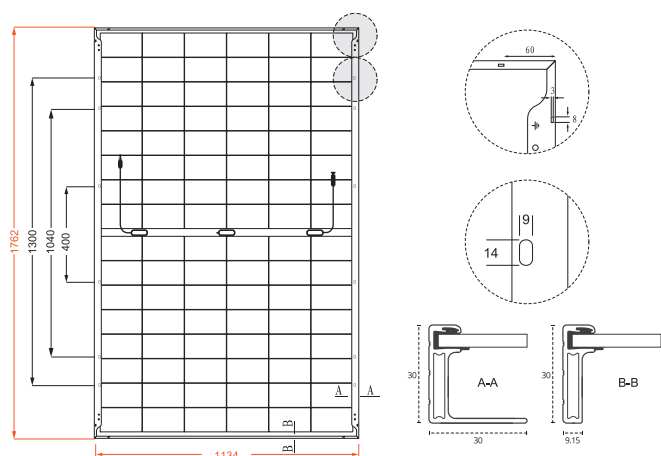


Fits various BIPV scenarios:
roof, curtain wall, balcony, garden, corridor and other scenes

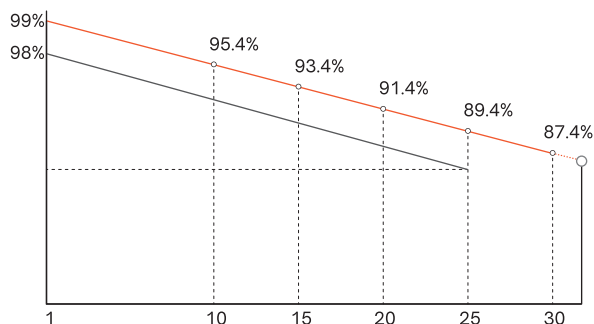


DHN-48Z16/DG(RR) 380~400W

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 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(RR)									
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	380	286	385	290	390	293	395	297	400	301
Open-circuit Voltage (V _{oc} /V)	35.22	33.45	35.25	33.49	35.29	33.52	35.32	33.55	35.36	33.59
Maximum Power Voltage (V _{mp} /V)	30.34	28.82	30.37	28.85	30.41	28.88	30.44	28.92	30.48	28.95
Short-circuit Current (I _{sc} /A)	12.92	11.25	13.09	10.57	13.26	10.71	13.43	10.84	13.6	10.98
Maximum Power Current (I _{mp} /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)

5%	Maximum Power (P _{max})	399	404	410	415	420
	Module Efficiency (%)	19.97	20.23	20.49	20.76	21.02
15%	Maximum Power (P _{max})	437	443	449	454	460
	Module Efficiency (%)	21.87	22.16	22.45	22.73	23.02
25%	Maximum Power (P _{max})	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 I _{sc} (ΔI _{sc})	0.046%/°C
Temperature Coefficient of V _{oc} (ΔV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (ΔP _{mp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa