

TOPCon

DHN-78X16/DG

0~+5W

620~635W



Higher Power Generation Efficiency

N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module



Higher Power Output

Bifacial module with dual glass back-side power increases 5-25%



Lower Degradation Rate, PID Resistance

First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$; excellent Anti-PID performance



Lower Temp. Coefficient

More power generation under high-temperature



Better Dim Light Performance

Excellent performance under dim light

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

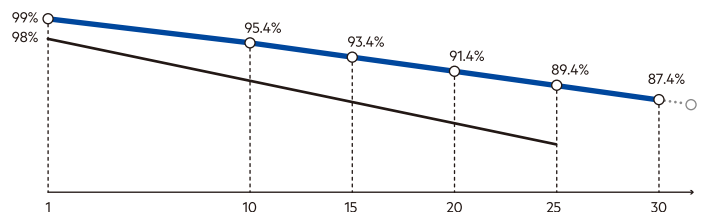
ISO 9001: 2015/Quality management system



Quality Guarantee

15-Year Material & Technology Warranty

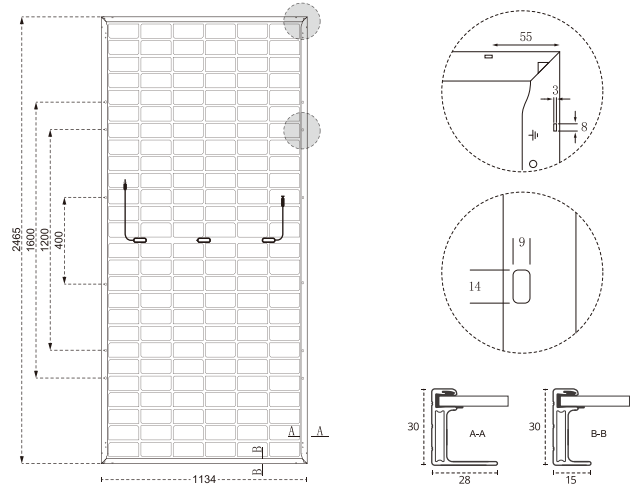
30-Year Linear Power Output Warranty



▲ DAH Solar Linear power output guarantee ▾ Standard Linear power output guarantee

Mechanical Specification

Cable	4.0mm ² , 300/200mm in Length
(Including Connector)	Length can be Customized
No.of Cells	156 (6×26)
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	35kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2465×1134×30mm
Packing	36pcs/Pallet, 576pcs/40HQ



Electrical Characteristics

Module Type	DHN-78X16/DG							
	STC		NOCT		STC		NOCT	
Maximum Power (Pmax)	620	466	625	470	630	474	635	478
Open-circuit Voltage (Voc)	55.6	52.8	55.8	53.0	56.0	53.2	56.2	53.4
Maximum Power Voltage (Vmp)	46.8	44.5	47.0	44.7	47.2	44.8	47.4	45.0
Short-Circuit Current (Isc)	14.08	11.37	14.14	11.42	14.20	11.46	14.26	11.51
Maximum Power Current (Imp)	13.25	10.49	13.30	10.53	13.35	10.57	13.40	10.60
Module Efficiency (STC)	22.18%		22.36%		22.54%		22.72%	
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)	651	656.25	661.5	666.75
	Module Efficiency (%)	23.29	23.48	23.66	23.85
15%	Maximum Power (Pmax)	713	719	725	730
	Module Efficiency (%)	25.51	25.71	25.92	26.12
25%	Maximum Power (Pmax)	775	781	788	794
	Module Efficiency (%)	27.73	27.95	28.17	28.40

Operating Parameters

Maximum System Voltage	1500V DC
Power Tolerance	0~+5W
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 (α Isc)	0.046%/°C
Temperature Coefficient of Voc (β Voc)	-0.25%/°C
Temperature Coefficient of Pmax (γ Pmp)	-0.30%/°C

Mechanical Loads

Snow load, frontside / Wind load, backside	5400Pa/2400Pa
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I-V Curve

