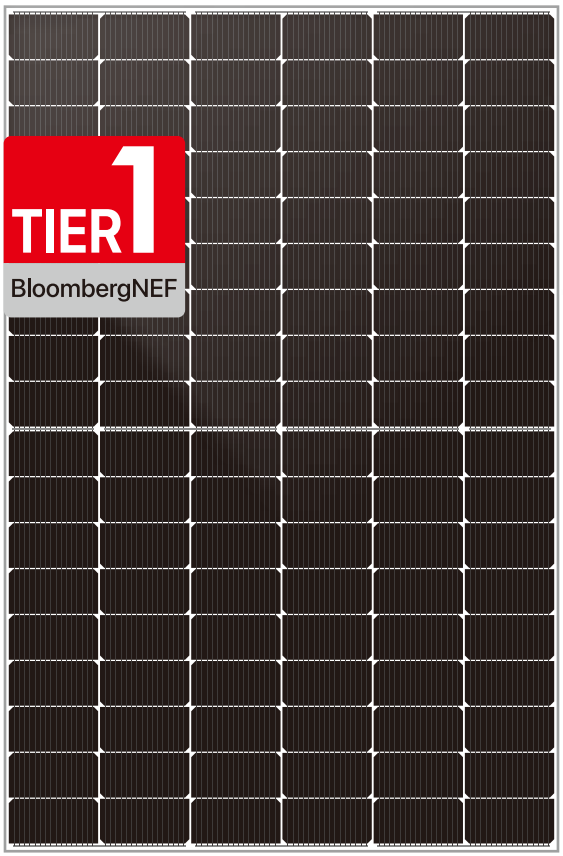
DAH Solar
www.dahsolarpv.com



TOPCon

DHN-54X16/DG

0~+5W

420~435W

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 back-side power increases 5-25%

Lower Degradation Rate
First-year ≤1%, 2-30 year ≤0.4%

Lower Temp. Coefficient
More power generation under high-temperature

Better Dim Light Performance
Excellent performance under dim light

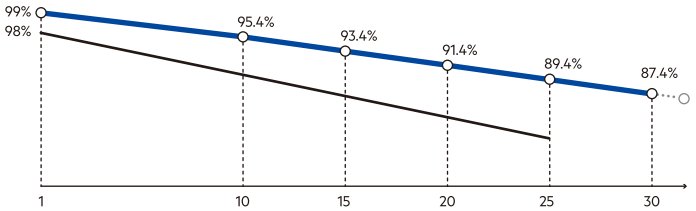
Comprehensive Products & System Certificates

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 gurarantee Standard Linear power output gurarantee

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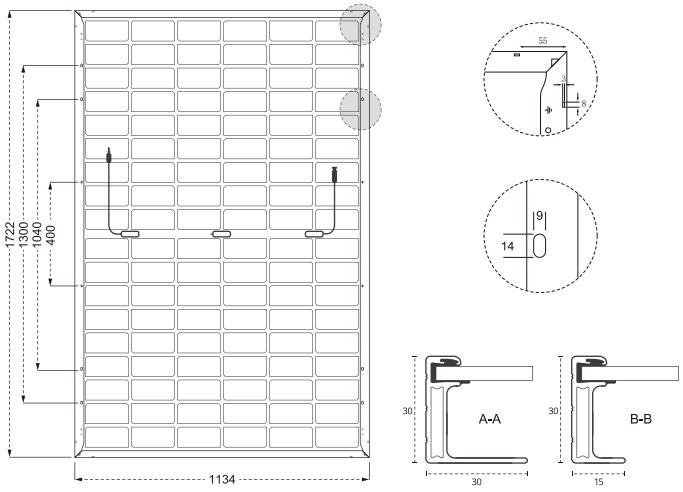
Mechanical Specification

Cable	4.0mm², 350/250mm in length,
(Including Connector)	length can be customized
No.of Cells	108 (6×18)
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	24kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1722×1134×30mm
Packing	36pcs/Pallet, 936pcs/40HQ



Electrical Characteristics

Module Type	DHN-54X16/DG							
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420	316	425	320	430	323	435	327
Open-circuit Voltage (Voc)	37.6	35.72	37.8	35.91	38.0	36.10	38.2	36.29
Maximum Power Voltage (Vmp)	32.1	30.50	32.3	30.69	32.5	30.88	32.7	31.07
Short-Circuit Current (Isc)	13.72	11.08	13.78	11.13	13.84	11.17	13.90	11.22
Maximum Power Current (Imp)	13.08	10.36	13.16	10.42	13.23	10.47	13.30	10.53
Module Efficiency (STC)	21.51%		21.76%		22.02%		22.28%	
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)	441	446	452	457
	Module Efficiency (%)	22.58	22.85	23.12	23.39
15%	Maximum Power (Pmax)	483	489	495	500
	Module Efficiency (%)	24.73	25.03	25.32	25.62
25%	Maximum Power (Pmax)	525	531	538	544
	Module Efficiency (%)	26.89	27.21	27.53	27.85

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

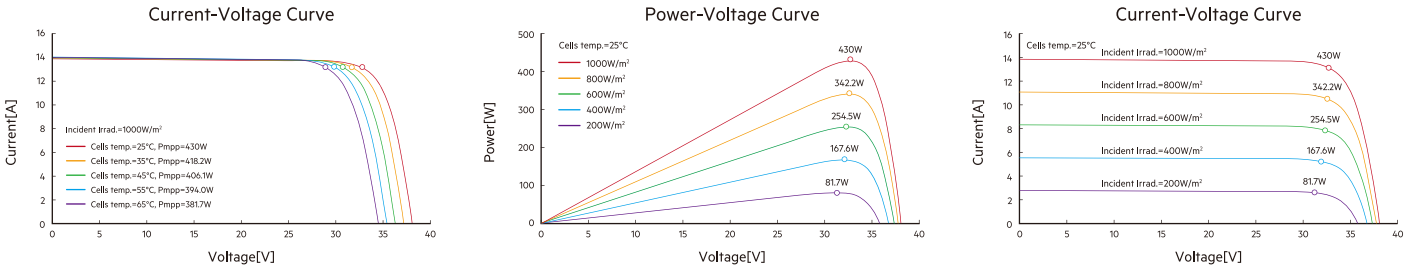
Temperature Coefficient

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

I-V Curve



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