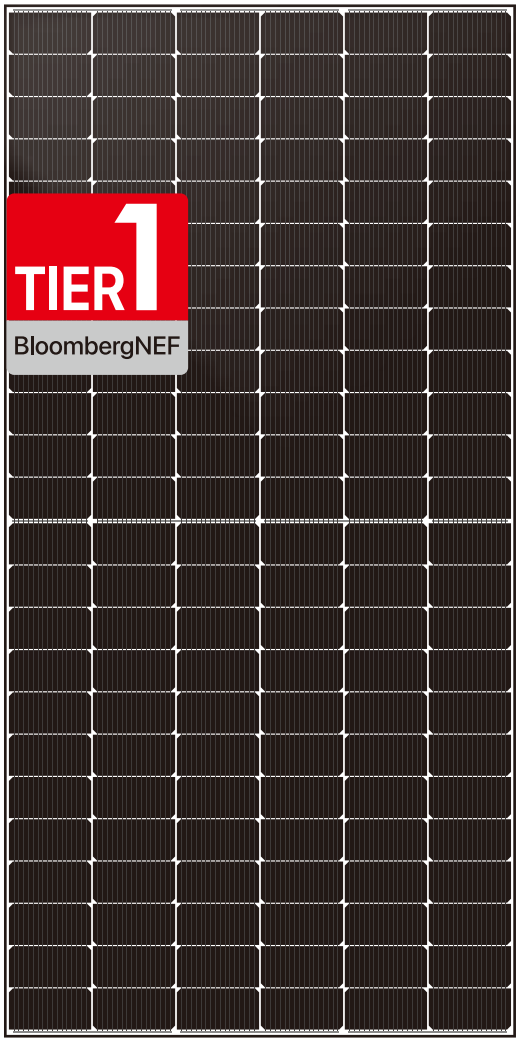
DAH Solar
www.dahsolarpv.com



TOPCon

DHN-72X16/DG(BW)

0~+5W

570~585W

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, PID Resistance
First-year ≤1%, 2-30 year ≤0.4%; excellent Anti-PID performance

Lower Temp. Coefficient
More power generation under high-temperature

Better Dim Light Performance
Excellent performance under dim light

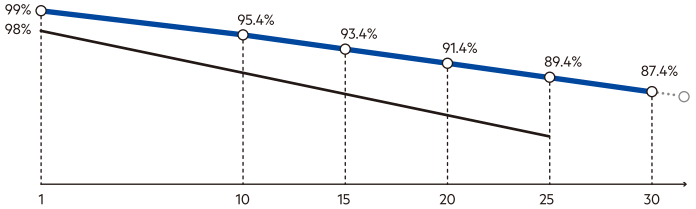
Comprehensive Products & System Certificates

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 gurarantee Standard Linear power output gurarantee

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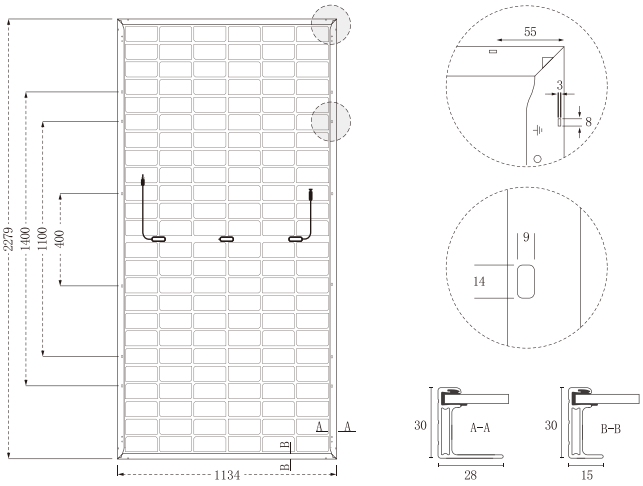
Mechanical Specification

Cable	4.0mm², 350/250mm in length,
(Including Connector)	length can be customized
No.of Cells	144 (6×24)
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	32kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2279×1134×30mm
Packing	36pcs/Pallet, 720pcs/40HQ



Electrical Characteristics

Module Type	DHN-72X16/DG(BW)							
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570	429	575	432	580	436	585	440
Open-circuit Voltage (Voc)	51.0	48.5	51.2	48.6	51.4	48.8	51.6	49.0
Maximum Power Voltage (Vmp)	43.2	41.0	43.4	41.2	43.6	41.4	43.8	41.6
Short-Circuit Current (Isc)	14.02	11.32	14.08	11.37	14.14	11.42	14.20	11.46
Maximum Power Current (Imp)	13.19	10.44	13.25	10.49	13.30	10.53	13.36	10.57
Module Efficiency (STC)	22.06%		22.25%		22.44%		22.64%	
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)	599	604	609	614.25
	Module Efficiency (%)	23.16	23.36	23.56	23.77
15%	Maximum Power (Pmax)	656	661	667	673
	Module Efficiency (%)	25.36	25.59	25.81	26.03
25%	Maximum Power (Pmax)	713	719	725	731
	Module Efficiency (%)	27.57	27.81	28.05	28.29

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

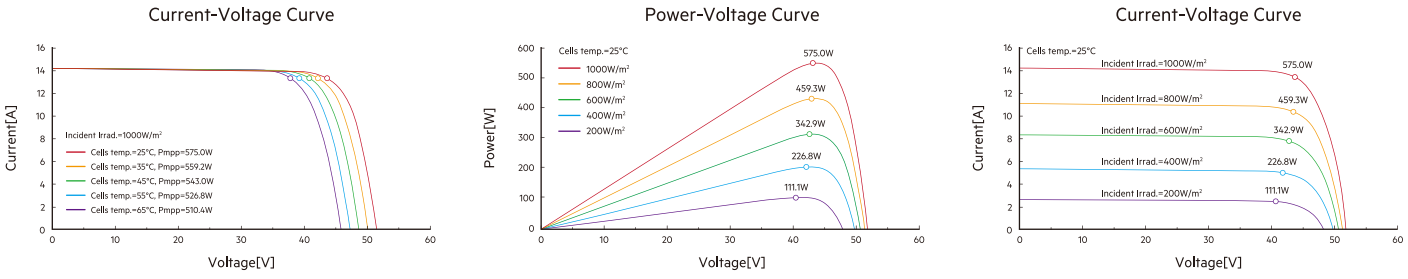
Temperature Coefficient

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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