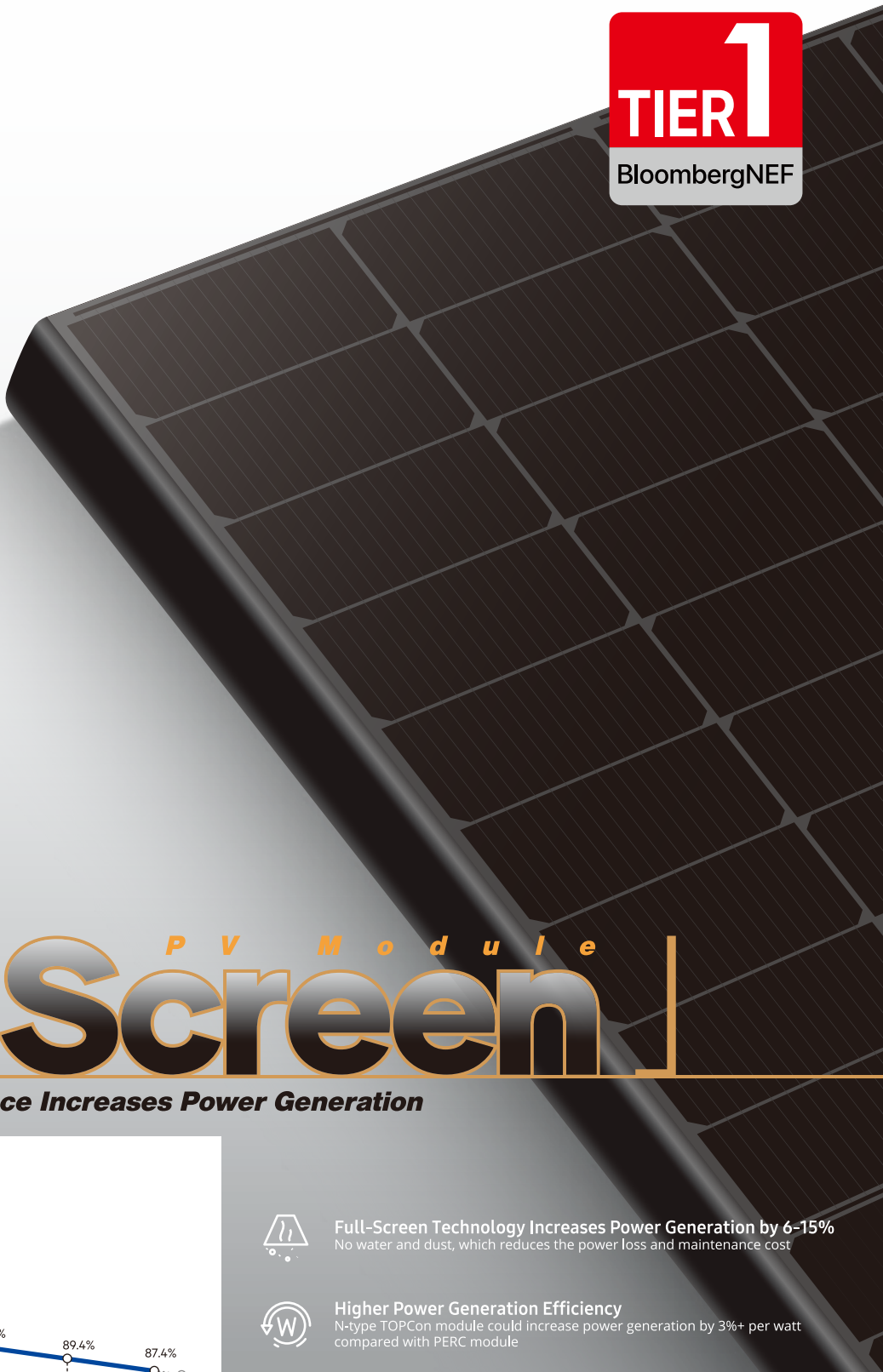
DAH Solar
www.dahsolarpv.com

TIER 1
BloombergNEF

GLOBAL PATENTS



TOPCon

DHN-54X16/BF/FS(BB)

420~435W

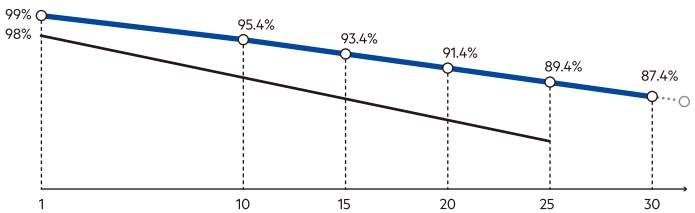
BIFACIAL

[Full Screen PV Module]

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

15-year Material & technology warranty
30-year Linear power output warranty



DAH Solar linear power output guarantee
Standard linear power output guarantee

Comprehensive Products & System Certificates

IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
ISO 45001 : 2018/International standards for occupational health & safety
ISO 14001 : 2015/Standards for environmental management system
ISO 9001 : 2015/Quality management system

Full-Screen Technology Increases Power Generation by 6-15%
No water and dust, which reduces the power loss and maintenance cost

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

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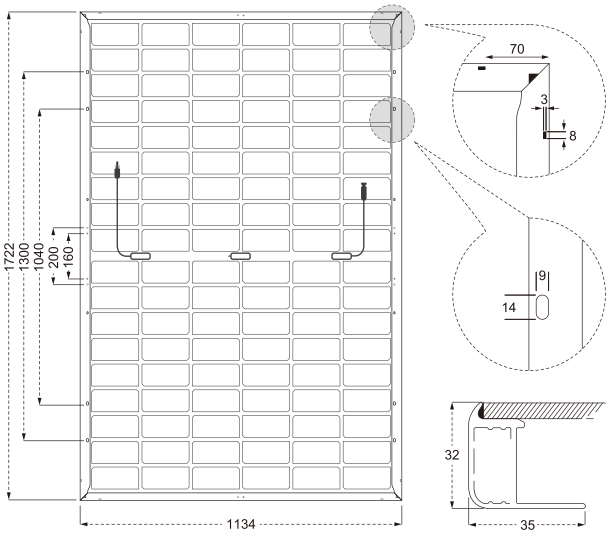
420~435W

GLOBAL PATENTS

Mechanical Specification

Cable	4.0mm², 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	22kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics

	DHN-54X16/BF/FS(BB)							
Module Type	**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%	

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

Refer Bifacial Factor: 80±5%
Temperature Coefficient of Isc: 0.046%/°C
Temperature Coefficient of Voc: -0.25%/°C
Temperature Coefficient of Pmax: -0.30%/°C

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

I-V Curve