DAH Solar
www.dahsolarpv.com

TIER 1
BloombergNEF

GLOBAL PATENTS

DHM-T72X10/BF/FS

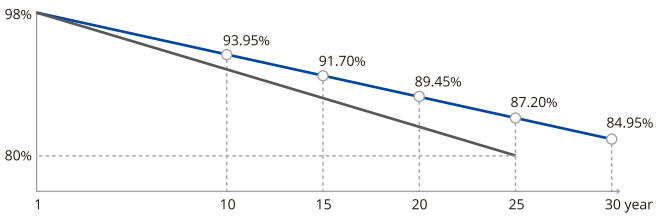
545~560W

[Full Screen PV Module]

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

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



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

No Water & Dust Accumulation, Increases Power Generation by 6-15%

Full-Screen PV Module has front frameless design, which decreases power loss and the O&M expenditures caused by the bottom dust shading.

Up to 25% Power Generation Growth From Rear Side

The transparent grid backplane is used to harvest the sunlight reflection, which significantly improves the total power generation.

Low current, increases power generation

1/3 design, lower current and lower loss.

Applied to All Mounting Scenarios

Full-Screen PV Module could apply to all the application scenarios, and the smaller angles of inclination, the higher power generation.

Preeminent Weather Resistance

Certified by Dust-Sand Test, Salt Spray Test, Ammonia Test, which allows the module to keep an excellent performance under the extreme weather conditions.

±0.1mm Production Accuracy Technology

Using excellent frame sealing technology makes the production accuracy achieve ±0.1mm to ensure the IP68 Waterproof and the mechanical load (front side: 5400Pa; back side: 2400Pa) . The ruggedness could compare with the architectural curtain wall.

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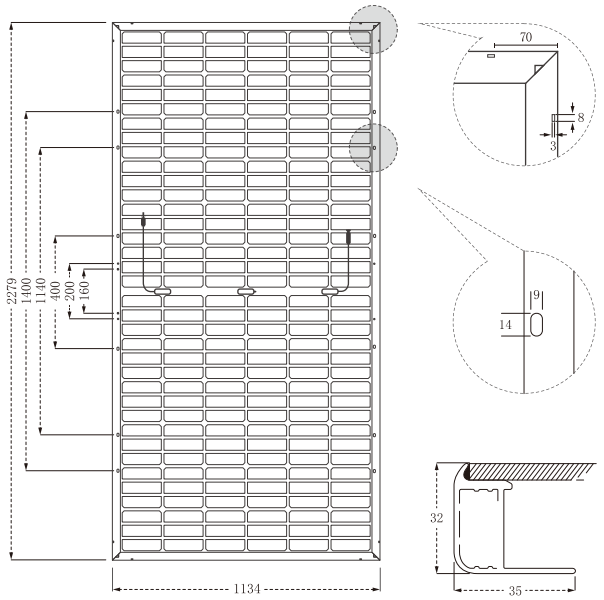
Mechanical Specification

Cable	4.0mm², 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	216 (6×36)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	28.9kg
Cells Type	Mono 182×60.7mm
Dimension (L×W×T)	2279×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics

	DHM-T72X10/BF/FS							
	STC	Noct	STC	Noct	STC	Noct	STC	Noct
Maximum Power (Pmax)	545W	405W	550W	409W	555W	413W	560W	417W
Open-circuit Voltage (Voc)	74.50V	69.88V	74.70V	70.07V	74.90V	70.26V	75.10V	70.44V
Maximum Power Voltage (Vmp)	62.8V	58.91V	63.0V	59.09V	63.2V	59.28V	63.4V	59.47V
Short-circuit Current (Isc)	9.25A	7.47A	9.31A	7.52A	9.37A	7.57A	9.43A	7.62A
Maximum Power Current (Imp)	8.68A	6.88A	8.73A	6.92A	8.78A	6.97A	8.83A	7.01A
Module Efficiency (STC)	21.13%		21.30%		21.52%		21.72%	

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

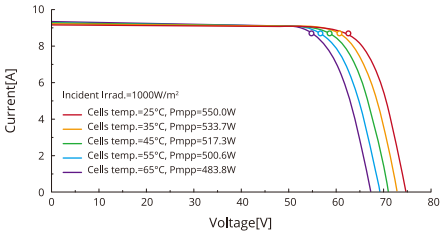
Refer Bifacial Factor: 70±5%
Temperature Coefficient of Isc: 0.05%/°C
Temperature Coefficient of Voc: -0.31%/°C
Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

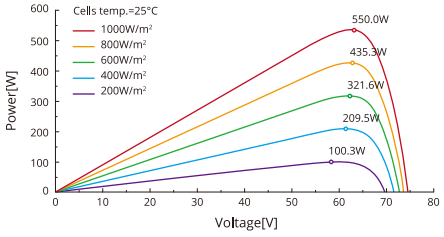
5%	*Maximum Power (Pmax)*	572W	578W	583W	588W
	Module Efficiency (%)	22.19%	22.39%	22.60%	22.80%
15%	*Maximum Power (Pmax)*	627W	633W	638W	644W
	Module Efficiency (%)	24.30%	24.53%	24.75%	24.97%
25%	*Maximum Power (Pmax)*	681W	688W	694W	700W
	Module Efficiency (%)	26.42%	26.66%	26.90%	27.15%

I-V Curve

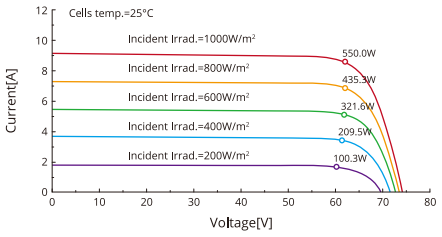
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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