DAH Solar
www.dahsolarpv.com

TIER 1
BloombergNEF

GLOBAL PATENTS

DHM-60X10/FS(BW)

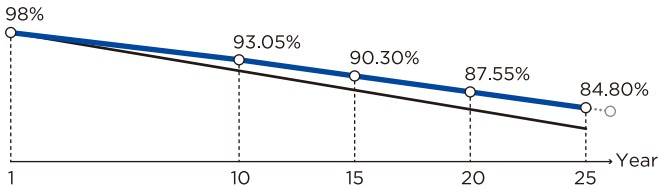
445~460W

[Full Screen] PV Module

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

- 12-year → Material & technology warranty
- 25-year → Linear power output warranty



DAH Solar Linear power output gurarantee
Standard Linear power output gurarantee

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.

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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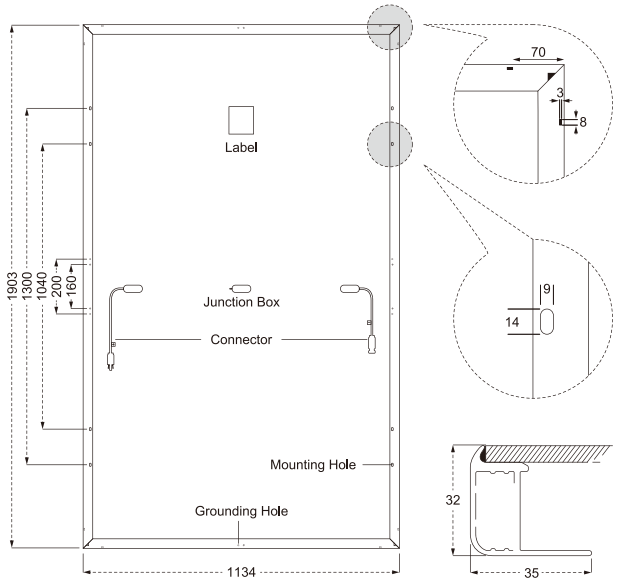
Mechanical Specification

Cable	4.0mm², 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	120 (6×20)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	23.8kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1903×1134×32mm
Packing	34pcs/pallet, 816pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

STC——Electrical Characteristics

Module Type	DHM-60X10/FS(BW)			
Maximum Power (Pmax/W)	445	450	455	460
Open-circuit Voltage (Voc/V)	41.4	41.6	41.8	42.0
Maximum Power Voltage (Vmp/V)	35.0	35.2	35.4	35.6
Short-circuit Current (Isc/A)	13.60	13.66	13.72	13.78
Maximum Power Current (Imp/A)	12.71	12.78	12.85	12.92
Module Efficiency (%)	20.62	20.85	21.08	21.32

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

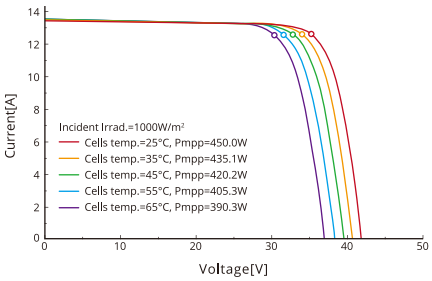
NOCT——Electrical Characteristics

Maximum Power (Pmax/W)	334	338	342	346
Open-circuit Voltage (Voc/V)	39.2	39.4	39.6	39.7
Maximum Power Voltage (Vmp/V)	33.1	33.3	33.5	33.7
Short-circuit Current (Isc/A)	10.97	11.02	11.07	11.12
Maximum Power Current (Imp/A)	10.10	10.15	10.21	10.26

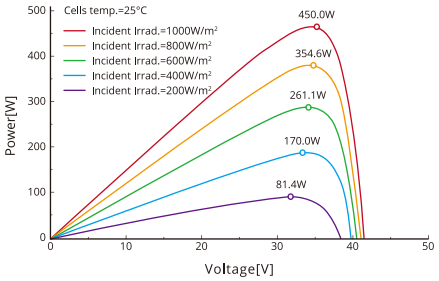
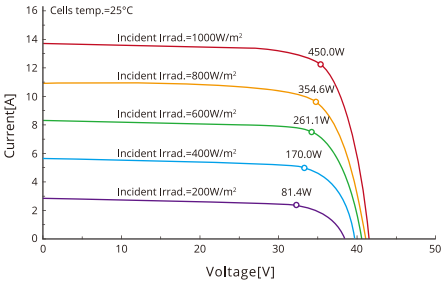
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-60X10/FS(BW)-450W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve