

DHM-T72X10/BF/FS

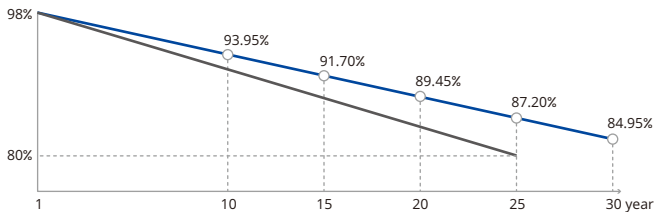
545~560W

Full Screen

No Dust and Dirt on the Surface Increase Power Generation

Quality Guarantee

12-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



Low current, increase power generation
1/3 design, lower current and lower loss



Increase power generation by 6.15%+
Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk



Up to 20% generation gain from the rear-side
The grid line transparent back sheet increases the back reflection, and the power generation gain increases with the back light



More than 25% module weight lighter
Compared with the dual glass module, the weight is reduced by 25%, which is easy to install and save the cost of BOS



Longer power output life span
Anti PID, low acetic acid concentration, ensure the module linear power output for 30 years



Curved Surface 128° R Angle, Reduce holding pressure by 75%+
Curved Frame with ergonomic Design, optimized, Delivery and Installation Experience

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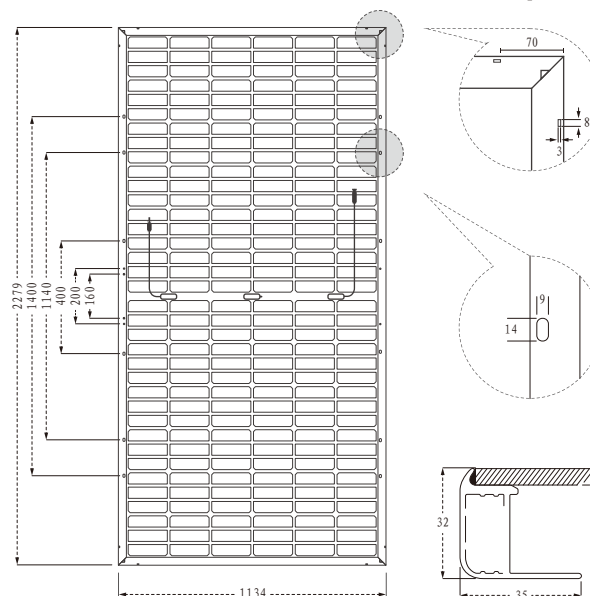
545~560W



Mechanical Specification

| | |
|-----------------------|--|
| Cable | 4.0mm ² , Portrait: 300mm(+)/400mm(-) |
| (Including connector) | Landscape: 1400mm(+)/1400mm(-) |
| 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 Voc: -0.31%/°C

Temperature Coefficient of Isc: 0.05%/°C

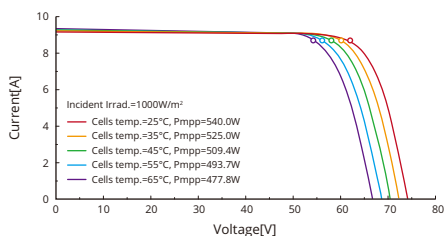
Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

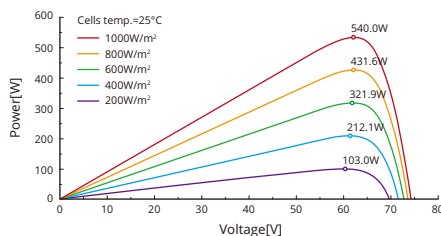
| | | | | | |
|-----|-----------------------|--------|--------|--------|--------|
| 5% | Maximum Power (Pmax) | 572W | 578W | 583W | 588W |
| | Module Efficiency (%) | 22.19% | 22.39% | 22.60% | 22.80% |
| 15% | Maximum Power (Pmax) | 627W | 633W | 638W | 644W |
| | Module Efficiency (%) | 24.30% | 24.53% | 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 DHT-72X10/BF/FS-540W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

