DAH Solar | Integrated PV System SolarUnit

GLOBAL PATENTS

DHM-T56X10/FS(BB)

420W

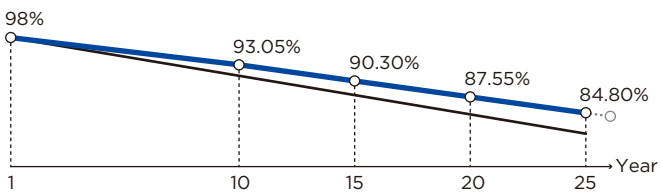
[Full Screen] PV Module

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

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.

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

Revolutionary Assembling Technology
Using excellent frame assembling technology, Strong Adhesion, Durable in Use.

Excellent mechanical load capacity
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa).

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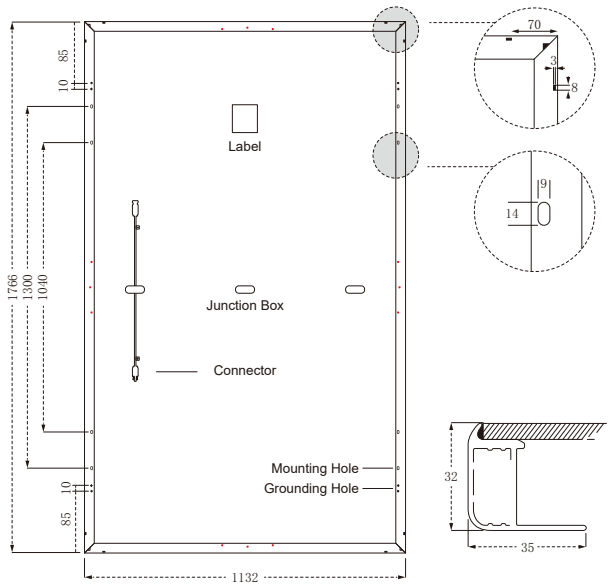
Mechanical Specification

Cable	4.0mm², 1200/1200mm in length,
(Including connector)	length can be customized
No.of Cells	168 (6×28)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	**22.5kg**
Cells Type	**Mono 182×60.7mm**
Dimension (L×W×T)	**1766×1132×32mm**
Packing	**34pcs/pallet, 816pcs/40HQ**

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	15A
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-T56X10/FS(BB)**
Maximum Power (Pmax/W)	420
Open-circuit Voltage (Voc/V)	115.4
Maximum Power Voltage (Vmp/V)	97.3
Short-circuit Current (Isc/A)	4.56
Maximum Power Current (Imp/A)	4.32
Module Efficiency (%)	21.01

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

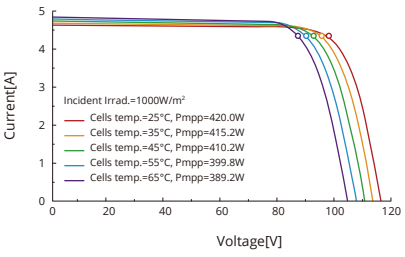
NOCT —— Electrical Characteristics

Maximum Power (Pmax/W)	312
Open-circuit Voltage (Voc/V)	108.2
Maximum Power Voltage (Vmp/V)	91.2
Short-circuit Current (Isc/A)	3.68
Maximum Power Current (Imp/A)	3.43

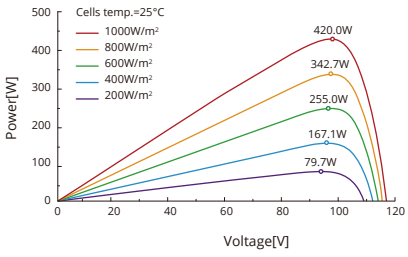
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-T56X10/FS(BB)-420W

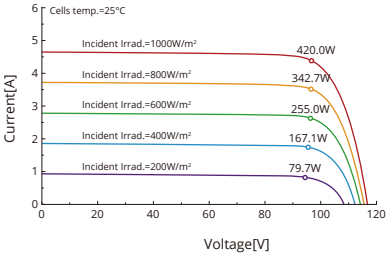
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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