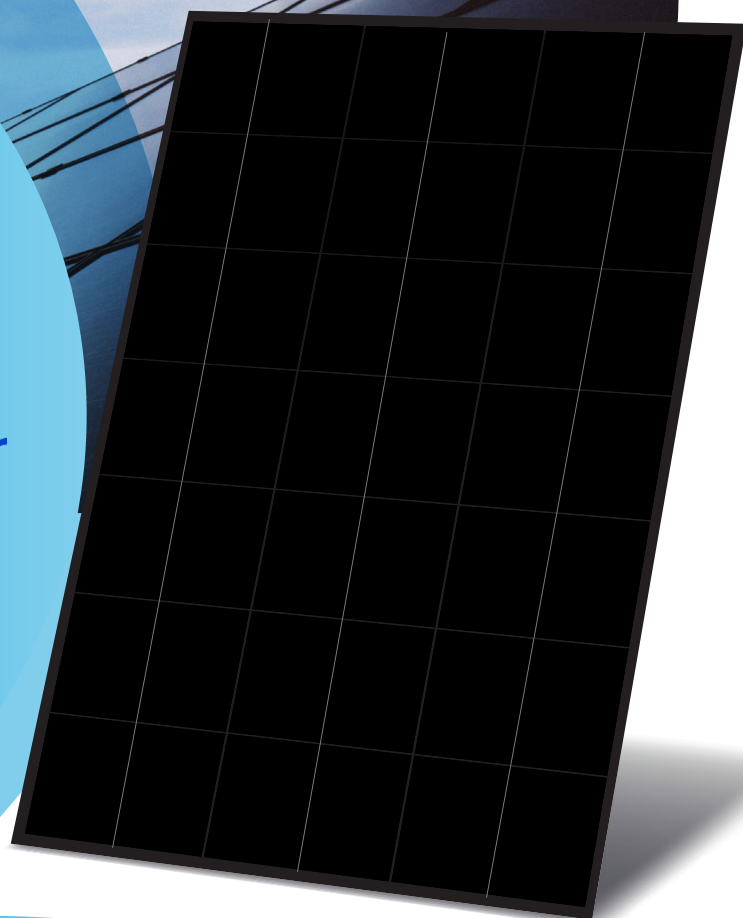




SolarQuantum
PERFORMANCE ENERGY

SolarQuantum
BEST CHOICE: DAH Solar
PV Module 400 Watt



ARTIKEL-NR.: SQ003ZE400DA

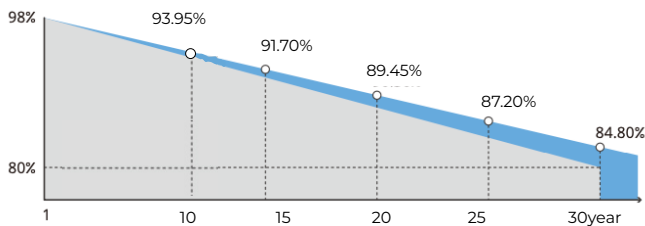
Hersteller: DAH Solar, Hefei City, Anhui, China



Original Datenblatt: <https://drive.google.com/drive/u/0/folders/1h63s--3vNszTzLN6PJ8ezqd5UBrOTeqY>

Seite 1

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



Up to 20% generation gain from the rear-side

The grid line transparent back sheet increases the black reflection, and the power generation gain increases with the black 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



Higher generation efficiency and stability

Low current, low hotspot and better low irradiance performance, more stable power generation



Longer power output life span

Anti PiD, low acetic acid concentration, ensure the module linear power output for 30 years



Strang environmental adaptabil

Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests

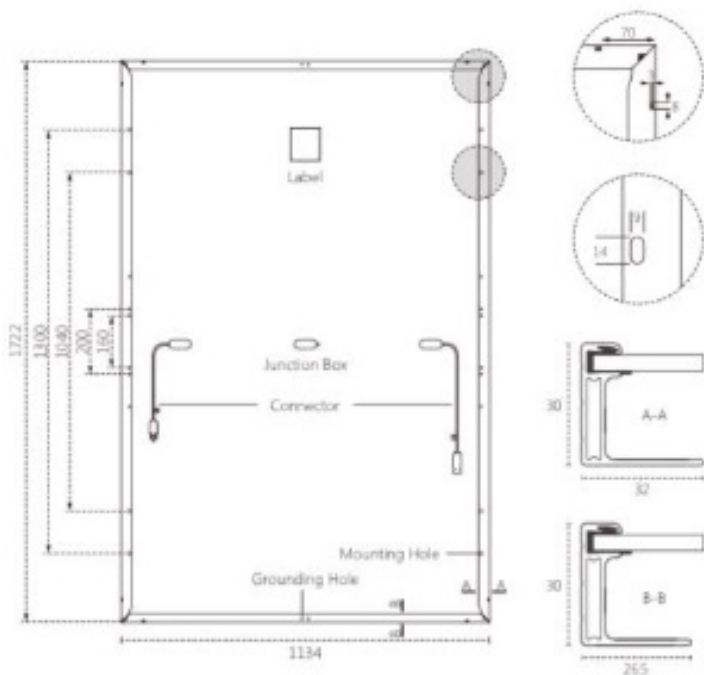


Select Grade A crystalline silicon solar cells

Grade A crystalline silicon solar cells make high-power output with cost effective.

DHM-54X10(BW)-400W

DESIGN



MECHANICAL SPECIFICATION

Cells Type	Dimension (L×W×T)
Mono 182×91mm	1722×1134×30mm
Weight	Packing
22kg	36pcs/pallet, 936pcs/40HQ
Output Cable (Including connector)	4.0mm ² , 300/400mm in length, 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

OPERATING PARAMETERS

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

STC-Electrical Characteristics

Module Type	DHM-54X10(BW)
Maximum Power (Pmax/W)	400
Open-circuit Voltage (Voc/V)	36.8
Maximum Power Voltage (Vmp/V)	31.3
Short-circuit Current (Isc/A)	13.48
Maximum Power Current (Imp/A)	12.77
Module Efficiency (%)	20.48
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Pmax	-0.35%/°C

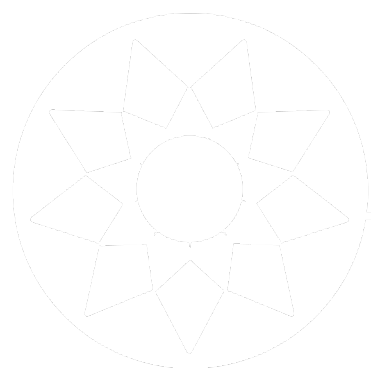
Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	298
Open-circuit Voltage (Voc/V)	34.5
Maximum Power Voltage (Vmp/V)	29.4
Short-circuit Current (Isc/A)	10.89
Maximum Power Current (Imp/A)	10.13

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

I-V Curve DHM-54X10(BW)-410W



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