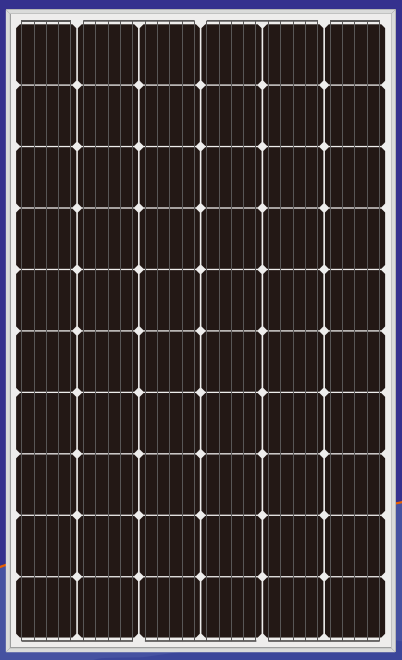
Smart PV Module

Mono

DHM60

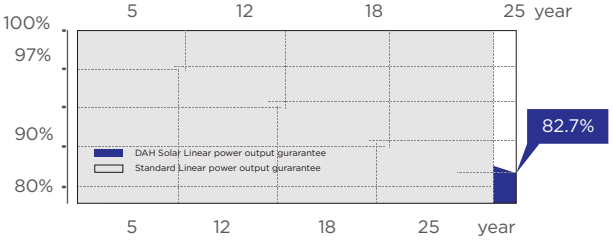
300W-315W

Smart PV modules are currently the only smart PV applications in the world that are effectively certified. Through real-time data acquisition and intelligent analysis of real-time temperature, real-time power generation, shadow occlusion, line condition, and equipment operation of each PV module in the power station, and early warning of faults for abnormal data, give reasonable operation and maintenance recommendations. Accurate data positioning operation and maintenance management, always ensure that the power station is stable and stable.



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE



10 years — 10-year material & technology warranty

25 years — 25-year linear power output warranty

0~+5W	19.26%
Positive Tolerance	Max Module Eff.(%)

PRODUCT PERFORMANCE ADVANTAGE

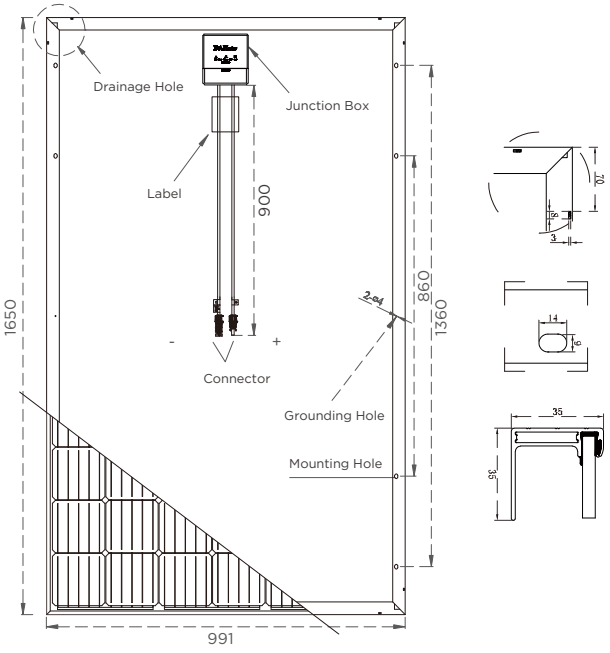
- Effectively and accurately monitor the working parameters of each PV module in the solar power station in real time
- 90% — Intelligent analysis of fault monitoring and early warning, reducing power plant operation and maintenance costs by 90%
- Select high-efficiency crystalline silicon cells, high-power output with cost-effective
- Preferred packaging materials and strict process technology, excellent PID free performance
- Certified by Dust-Sand,Salt-Mist, Ammonia etc. weather resistance tests, strong environmental adaptability

DAH Solar

Top runner of smart solar system

Smart PV Module
DHM60 300W-315W

Design



Mechanical Specification

Cells Type	Mono 156.75×156.75mm
Weight	18.5kg
Dimension (L×W×T)	1650×991×35mm
Output Cables	TUV, Length 900mm, 4.0mm²
No.of Cells	60 (6×10)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4
Packing	30pcs/pallet, 400pcs/20GP, 924pcs/40HQ

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85℃
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45℃±2℃
Application level	Class A

Electrical Characteristics(STC)

Module Type	DHM60-300W	DHM60-305W	DHM60-310W	DHM60-315W
Maximum Power (Pmax)	300W	305W	310W	315W
Open-circuit Voltage (Voc)	39.9V	40.2V	40.4V	40.6V
Maximum Power Voltage (Vmp)	32.7V	32.9V	33.1V	33.3V
Short-circuit Current (Isc)	9.64A	9.72A	9.81A	9.93A
Maximum Power Current (Imp)	9.18A	9.28A	9.37A	9.46A
Module Efficiency (%)	18.35%	18.65%	18.96%	19.26%
Power Tolerance	0~+5W			
Temperature Coeffcient of Isc	0.05%/℃			
Temperature Coeffcient of Voc	-0.32%/℃			
Temperature Coeffcient of Pmax	-0.41%/℃			
Standard Test Environment	Irradiance 1000w/m², Cell temperature 25℃, Spectrum AM1.5			

Electrical Characteristics(NOCT)

Module Type	DHM60-300W	DHM60-305W	DHM60-310W	DHM60-315W
Maximum Power (Pmax)	223W	227W	229W	231W
Open-circuit Voltage (Voc)	37.1V	37.2V	37.5V	37.7V
Maximum Power Voltage (Vmp)	30.4V	30.5V	30.6V	30.7V
Short-circuit Current (Isc)	7.78A	7.84A	7.93A	8.02A
Maximum Power Current (Imp)	7.35A	7.42A	7.49A	7.55A
Standard Test Environment	Irradiance 800w/m², Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s			

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