

DHM-60X10

0~+5W

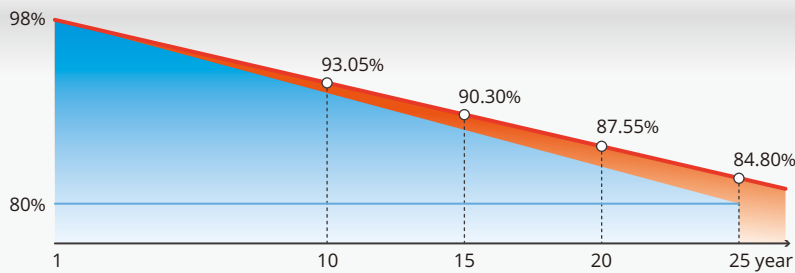
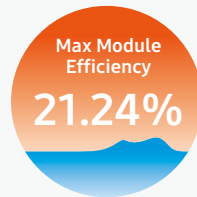
# 430~460W

Half-Cell High Efficiency PV Module

## Quality Guarantee

**12-Year** material & technology warranty

**25-Year** linear power output warranty



DAH solar linear power output guarantee  
Standard linear power output guarantee



### More Power Generation

Larger size of light receiving area and higher module conversion efficiency



### 10 Busbar Technology

Higher power collection density improves power generation



### Stable Generation Performance

Guaranteed 0~+5W positive tolerance and slower power attenuation:  
first year ≤2%, 0.55% per year from 2-25



### Higher Power Gains and Lower Losses

Excellent low irradiance performance and low shadow loss



### Process Optimized and Upgraded

Lower risk of hot spot and stronger anti-PID ability



### Strong Environmental Adaptability and Great Durability

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

## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / INMETRO

OHSAS 18001-

2007/International standards for occupational health & safety

ISO 14001-

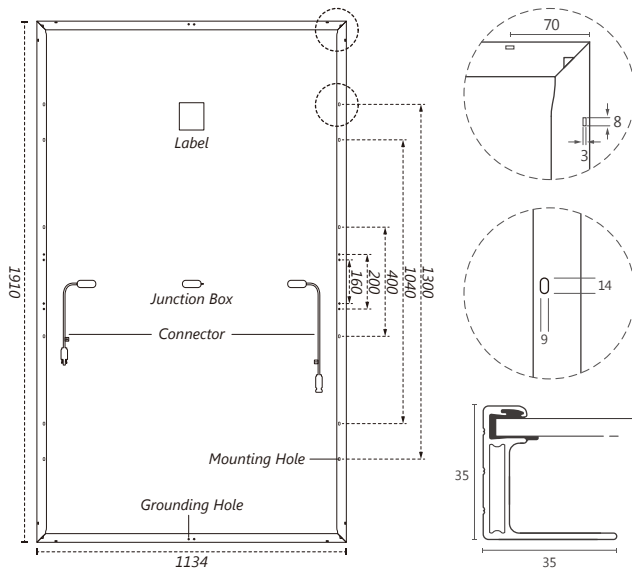
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

# DHM-60X10 430~460W

## Design



## Mechanical Specification

Cells Type  
**Mono 182×91mm**

Weight  
**24kg**

Cable  
(Including connector)

No. of Cells

Glass

Junction box

Connector

Dimension (L×W×T)

**1910×1134×35mm**

Packing

**31pcs/pallet, 744pcs/40HQ**

4.0mm<sup>2</sup>, Portrait: 300mm(+)/400mm(-)

Landscape: 1100mm(+)/1100mm(-)

120 (6×20)

3.2mm High Transmission, Antireflection Coating

IP68, 3 Bypass Diodes

MC4 Compatible

## Operating Parameters

Maximum system voltage	1000V/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-60X10						
Maximum Power (P <sub>max</sub> )	430W	435W	440W	445W	450W	455W	460W
Open-circuit Voltage (V <sub>oc</sub> )	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V	42.0V
Maximum Power Voltage (V <sub>mp</sub> )	34.1V	34.3V	34.5V	34.8V	35.0V	35.2V	35.5V
Short-circuit Current (I <sub>sc</sub> )	13.42A	13.48A	13.54A	13.60A	13.66A	13.72A	13.78A
Maximum Power Current (I <sub>mp</sub> )	12.62A	12.68A	12.74A	12.80A	12.86A	12.91A	12.97A
Module Efficiency (%)	19.85%	20.08%	20.31%	20.55%	20.78%	21.01%	21.24%
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C						
Temperature Coefficient of V <sub>oc</sub>	-0.31%/°C						
Temperature Coefficient of P <sub>max</sub>	-0.35%/°C						

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT-Electrical Characteristics

Maximum Power (P <sub>max</sub> )	320W	324W	327W	331W	335W	339W	342W
Open-circuit Voltage (V <sub>oc</sub> )	38.3V	38.5V	38.6V	38.8V	39.0V	39.2V	39.4V
Maximum Power Voltage (V <sub>mp</sub> )	32.0V	32.2V	32.4V	32.6V	32.8V	33.0V	33.3V
Short-circuit Current (I <sub>sc</sub> )	10.84A	10.89A	10.94A	10.99A	11.04A	11.09A	11.13A
Maximum Power Current (I <sub>mp</sub> )	10.01A	10.06A	10.11A	10.15A	10.20A	10.24A	10.29A

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve (DHM-60X10-440W)

