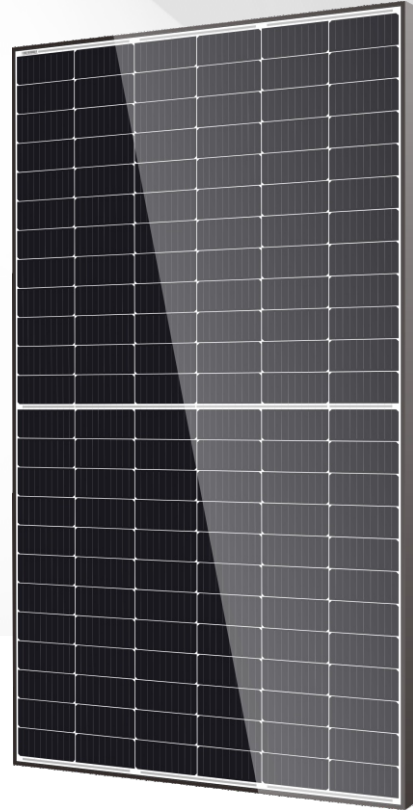




**DMEGC** *Quality. Performance. Value.*

# 445 / 450 / 455 / 460

## DM460M6-72HBW/-V



### Technology

High module conversion efficiency through superior manufacturing technology



### DMEGC cell inside

Over decade cell production experience  
Qualified by most of module manufacturers  
5G enhanced manufactory



### PID Free

Excellent PID resistance according to IEC TS 62804-1



### Performance

High performance under low light conditions (Cloudy days, mornings and evenings)



### Quality

Manufactured according to International Quality and Environmental Management Systems(ISO9001,ISO14001)



### Value

Assured by the manufacturer who is the very most healthy PV provider



### Social responsible

ISO45001 certified Ecovadis silver medal awarded  
Low carbon foot print traceable



### Service

Local office support ,immediate response

## Superior Manufacturing-Quality Assurance



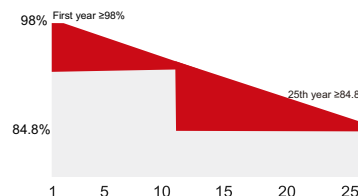
- TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% two EL tests

## Visible Quality



- Durable,high-quality
- Rigid construction: 5400Pa & 2400Pa rated assembly

## Warranty



- 12 Years product warranty
- 25 Years power output warranty
- 0.55% Annual Degradation Over 25 years

A Member of the Hengdian Group



Ver:20210813A0

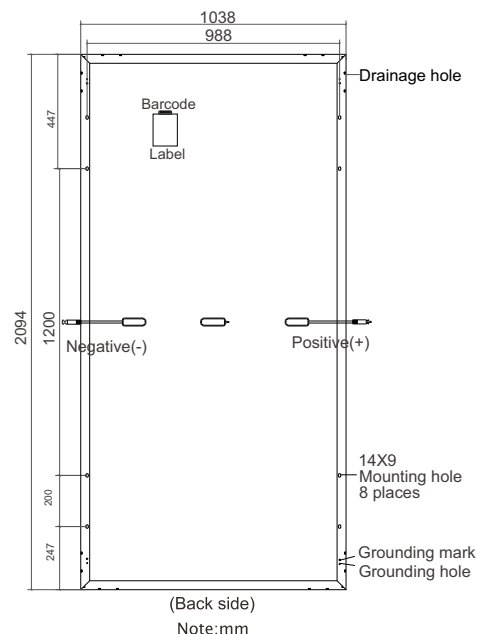
## Electrical Specifications

\* STC irradiance of 1000W/m<sup>2</sup> spectrum AM 1.5 and cell temperature of 25°C

Module Type	Pm(W)	Tolerance	I <sub>mp</sub> (A)	V <sub>mp</sub> (V)	I <sub>sc</sub> (A)	V <sub>oc</sub> (V)	Module Efficiency
DM445M6-72HBW/-V	445	0/+3%	10.92	40.77	11.35	50.12	20.47%
DM450M6-72HBW/-V	450	0/+3%	11.01	40.91	11.43	50.27	20.70%
DM455M6-72HBW/-V	455	0/+3%	11.10	41.04	11.51	50.42	20.93%
DM460M6-72HBW/-V	460	0/+3%	11.18	41.17	11.59	50.57	21.16%

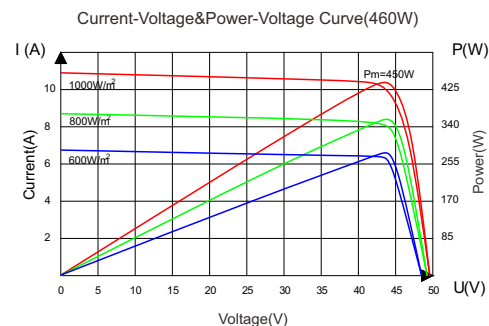
## Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	144(6x24)
Module Structure	Glass/Encapsulant/Backsheet
Glass Thickness	3.2mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	4mm <sup>2</sup> /1300mm or Customized Length
Connector Type	MC4/MC4 Compatible
Fire Rating Class	Class C



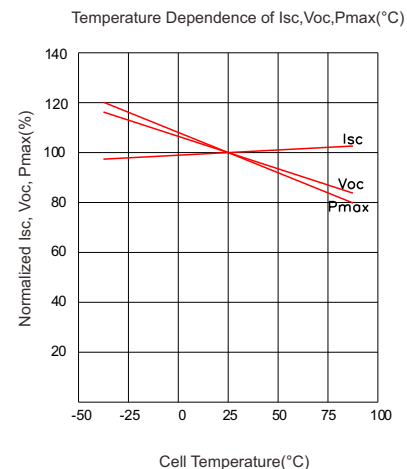
## Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V/1500V DC(IEC)
Maximum Series Fuse Rating	20A
Number of Diodes	3



## Packaging

Module Dimensions	2094x1038x35mm
Weight	24.3kg
Container	40' HQ
Pieces per Pallet	31
Pieces per Container	682



## Temperature Characteristics

Temperature Coefficient of I <sub>sc</sub>	+0.0487%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.265%/°C
Temperature Coefficient of P <sub>max</sub>	-0.328%/°C

**statement:** Due to technological progress, product parameters will be adjusted accordingly; When signing the contract, the latest data of the company shall prevail.



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