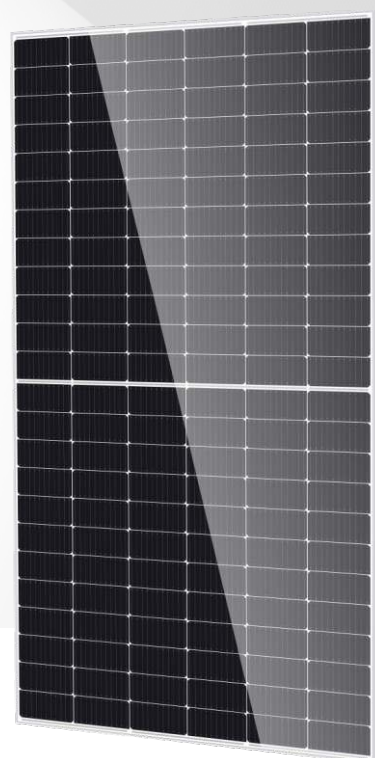




**DMEGC** *Quality. Performance. Value.*

# 535 / 540 / 545 / 550

## DM550M10-72HSW/-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, Health and Safety, Environmental Management Systems(ISO9001, ISO14001, ISO45001)



### Value

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



### Social responsibility

SA8000 certified by TÜV Nord  
Low carbon footprint traceable



### Service

Local office support, immediate response

## Superior Manufacturing-Quality Assurance



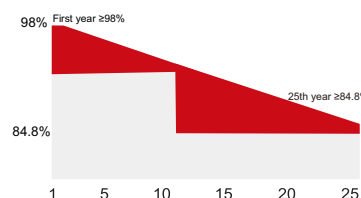
- TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% twice EL tests

## Visible Quality



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

## Warranty



- 12 Years product warranty
- 25 Years power output warranty

A Member of the Hengdian Group

Ver:20220316A4

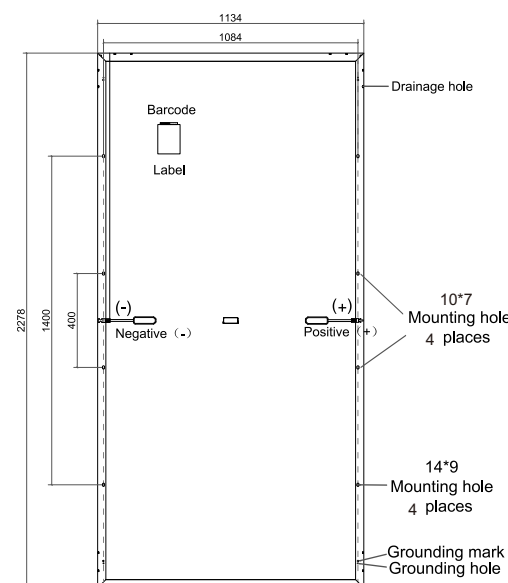
## Electrical Specifications

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

| Module Type       | Pm(W) | Tolerance | Imp(A) | Vmp(V) | Isc(A) | Voc (V) | Module Efficiency |
|-------------------|-------|-----------|--------|--------|--------|---------|-------------------|
| DM535M10-72HSW/-V | 535   | 0/+3%     | 13.21  | 40.53  | 13.61  | 49.65   | 20.71%            |
| DM540M10-72HSW/-V | 540   | 0/+3%     | 13.28  | 40.69  | 13.68  | 49.77   | 20.90%            |
| DM545M10-72HSW/-V | 545   | 0/+3%     | 13.35  | 40.85  | 13.75  | 49.89   | 21.10%            |
| DM550M10-72HSW/-V | 550   | 0/+3%     | 13.42  | 41.01  | 13.82  | 50.01   | 21.29%            |

## Mechanical Data

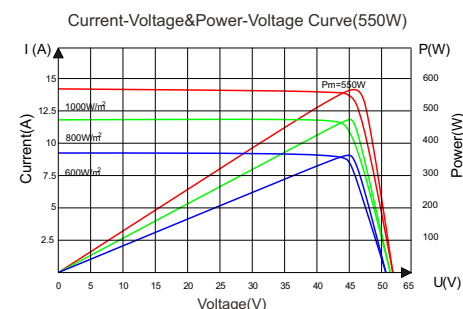
|                          |  |
|--------------------------|--|
| Cell Type                | P type Mono-crystalline                                  |
| Cell Arrangement         | 144(6x24)  |
| Module Structure         | Glass/Encapsulant/Backsheet                              |
| Glass Thickness          | 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(1000V)<br>EVO2/EVO2 Compatible(1500V) |
| Fire Rating Class        | Class C  |



(Back side)  
Note:mm

## Maximum Ratings

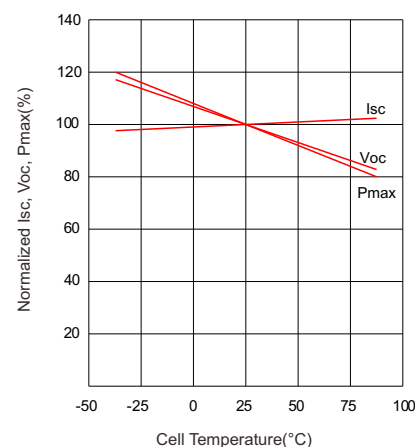
|                            |                     |
|----------------------------|---------------------|
| Operating Temperature      | -40°C to +85°C      |
| Maximum System Voltage     | 1000V/1500V DC(IEC) |
| Maximum Series Fuse Rating | 25A                 |
| Number of Diodes           | 3                   |



## Packaging

|                      |                |
|----------------------|----------------|
| Module Dimensions    | 2278x1134x35mm |
| Weight               | 29.0kg         |
| Container            | 40' HQ         |
| Pieces per Pallet    | 31             |
| Pieces per Container | 620            |

Temperature Dependence of Isc, Voc, Pmax(°C)



## Temperature Characteristics

|                                 |             |
|---------------------------------|-------------|
| Temperature Coefficient of Isc  | +0.0448%/°C |
| Temperature Coefficient of Voc  | -0.246%/°C  |
| Temperature Coefficient of Pmax | -0.330%/°C  |

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



Hengdian Group DMEGC Magnetics Co., Ltd.  
Hengdian Industrial Zone, Dongyang City  
Zhejiang Province, China 322118

Tel: 0086-579-8658-8825 Fax: 0086-579-8655-4845  
Email: solar@dmegc.com.cn  
www.chinadmegc.com www.dmegc.solar