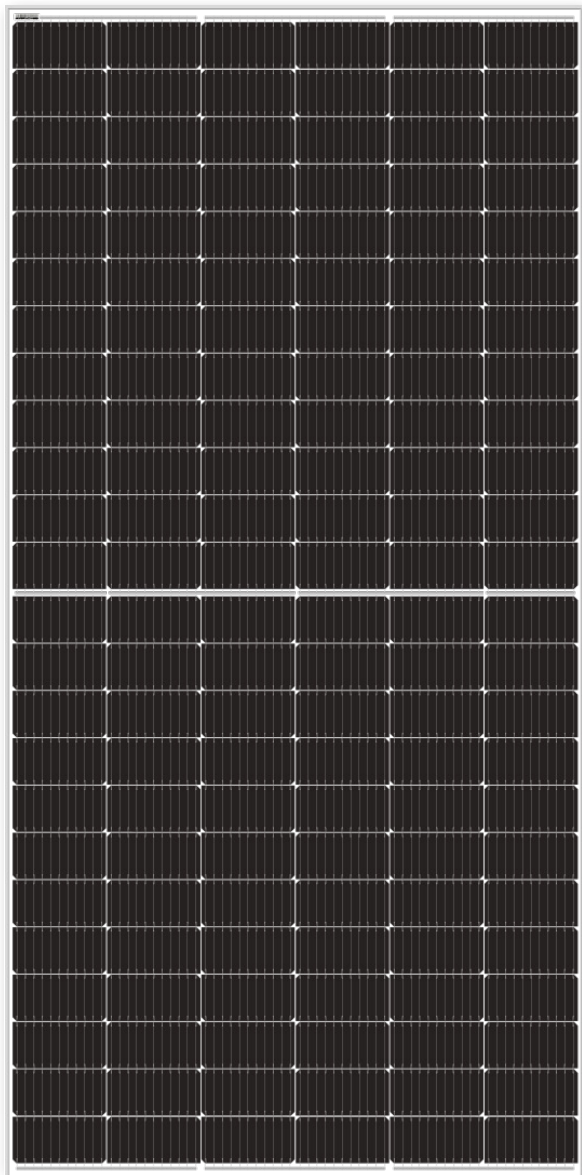


## DM550M10-72HSW/-V

540 | 545 | 550 Wp

half cut monocrystalline cells, white backsheet, anodised aluminum frame



### TECHNOLOGY

High module conversion efficiency



### VALUE

Our vertically integrated business model results in competitive pricing



### POWER POSITIVE TOLERANCE

Guaranteed power output 0 - 3 %



### PERFORMANCE

Good performance under low light conditions



### QUALITY

Manufacturing according to international quality and environmental management systems



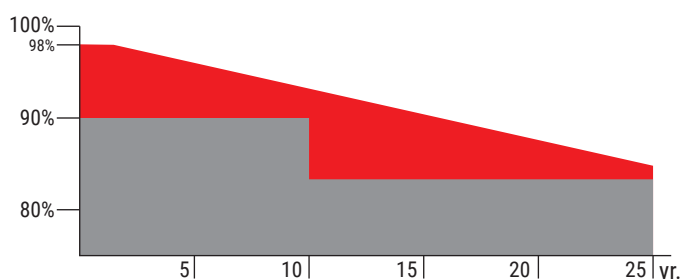
### HALF CELL TECHNOLOGY

Reduces power loss



### PID FREE

According to IEC TS 62804-1 standards



### WARRANTY

- 25 years warranty of 84.8% power output
- 12 years manufacturers warranty

■ DMEGC Solar's linear guarantee  
 ■ standard solar panel guarantee



CHUBB



Tier 1



## Electrical specifications

Module	Pm (W)	Tolerance	I <sub>mp</sub> (A)	V <sub>mp</sub> (V)	I <sub>sc</sub> (A)	V <sub>oc</sub> (V)	Efficiency
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%

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

## Mechanical data

cell type	P type mono crystalline
cell arrangement	6 x 24
module structure	glass / backsheet
glass thickness	3.2 mm
PV module classification	class II
junction box rating	IP67 / IP68
cables	4 mm <sup>2</sup>   1300 mm*
connector type	MC4 / MC4 Compatible
fire class rating	class C

\* optional customized length

## Maximum ratings

operational temperature	-40 °C to +85 °C
max. snow load	5400 Pa
max. wind load	2400 Pa
max. system voltage	1000V /1500V DC (IEC)
max. series fuse rating	25 A
diodes	3

## Temperature characteristics

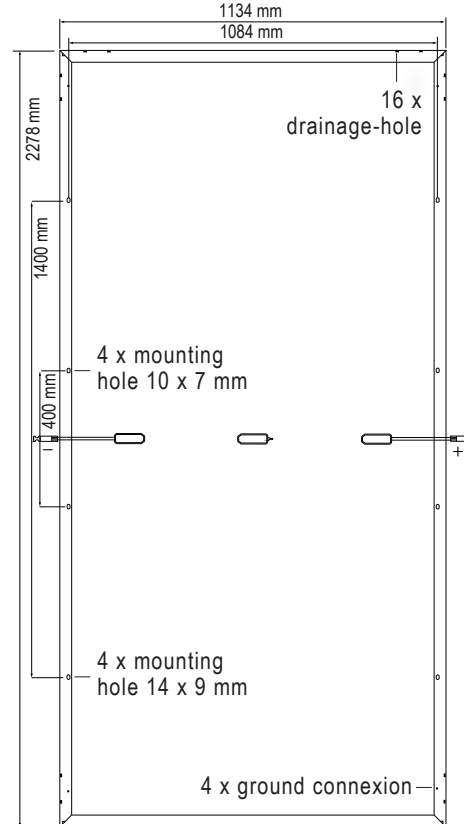
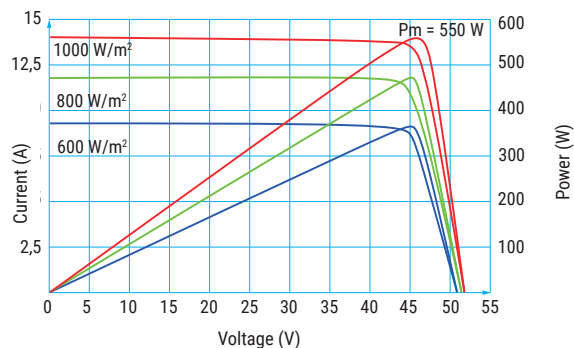
temperature coefficient of I <sub>sc</sub>	+ 0.0448 % / °C
temperature coefficient of V <sub>oc</sub>	- 0.246 % / °C
temperature coefficient of P <sub>max</sub>	- 0.330 % / °C

## Packaging

module dimensions	2278 x 1134 x 35
weight	29 kg
container	40' HQ
pieces per pallet	31
modules per container	620

Declaration: Due to continuous technology innovation, the above indicated parameters are subject to change without prior announcement. Upon contract/ order confirmation, our company's latest data shall be the final version.

## Current - voltage & power voltage curves



## Temperature dependence of I<sub>sc</sub>, V<sub>oc</sub>, P<sub>max</sub>

