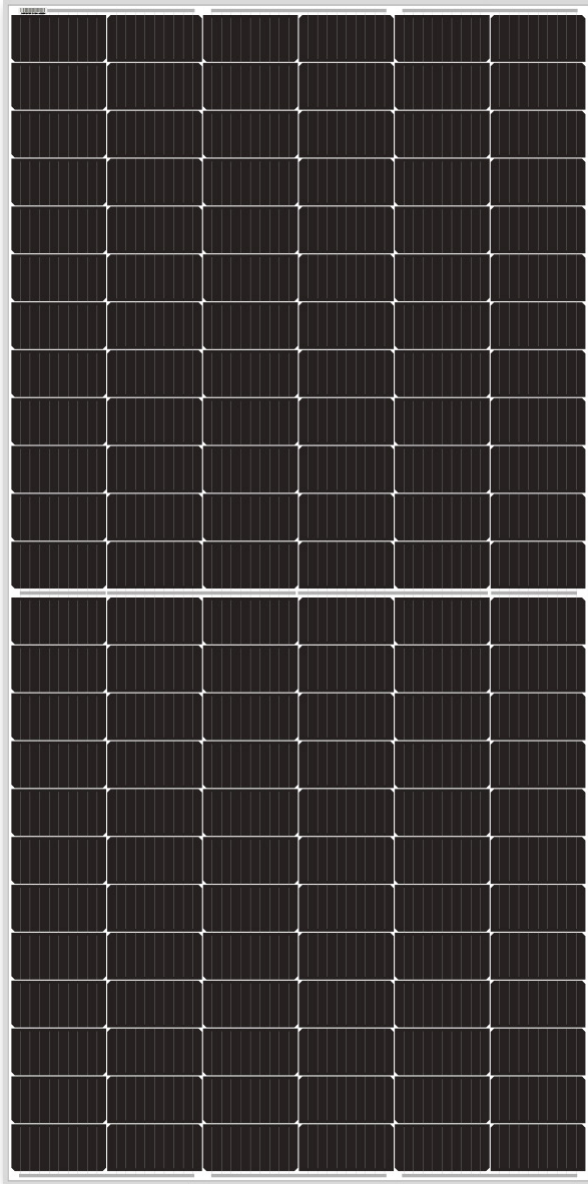


## DM455M6-72HSW

445 | 450 | 455 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



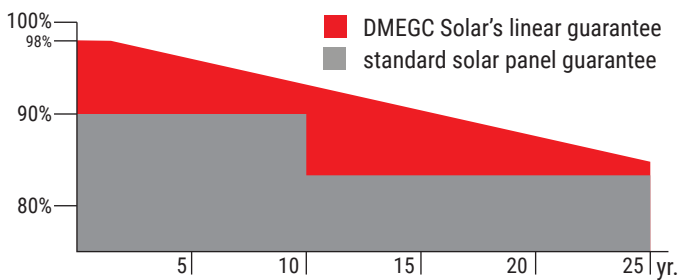
### HALF CELL TECHNOLOGY

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



## 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
DM445M6-72HSW	445	0 - 3 %	10.92	40.77	11.35	50.12	20.47 %
DM450M6-72HSW	450	0 - 3 %	11.01	40.91	11.43	50.27	20.70 %
DM455M6-72HSW	455	0 - 3 %	11.10	41.04	11.51	50.42	20.93 %

## Mechanical data

cell type	DMPD9B166-223 (½)
cell arrangement	6 x 24
module structure	glass / EVA / cells / EVA / backsheet
glass thickness	3.2 mm
PV module classification	2
junction box rating	IP67 / IP68
cables	1300 mm* / 4 mm <sup>2</sup>
conector type	MC4 / MC4 compatible
fire class rating	C

\* or custom length

## Maximum ratings

operational temperature	-40 °C to +85 °C
max. snow load	5400 Pa
max. wind load	2400 Pa
max. system voltage	1000 / 1500V DC (IEC)
max. series fuse rating	20 A
diodes	3

## Temperature characteristics

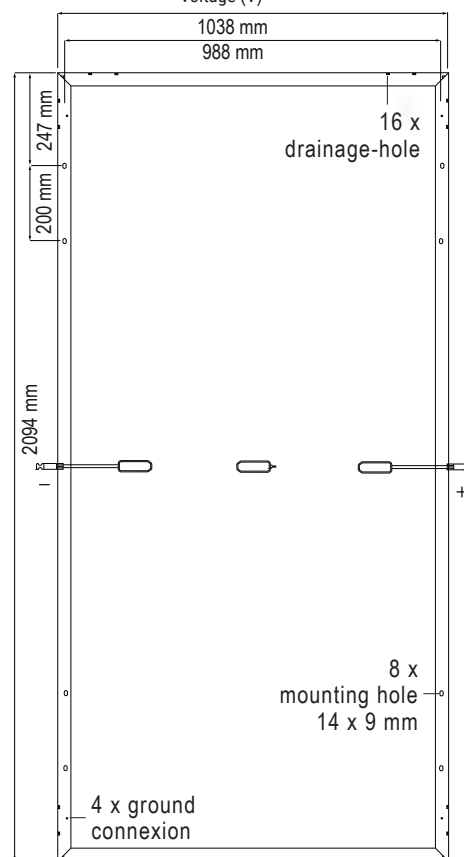
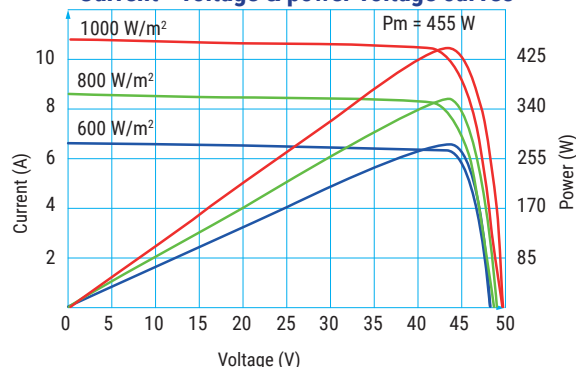
nominal operating temperature	42 °C ± 3 °C (NMOT)
temperature coefficient of I <sub>sc</sub>	+ 0.038 % / °C
temperature coefficient of V <sub>oc</sub>	- 0.270 % / °C
temperature coefficient of P <sub>max</sub>	- 0.365 % / °C

## Packaging

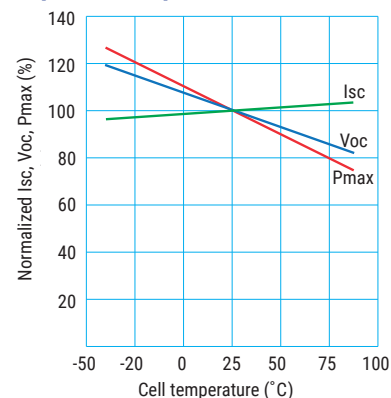
module dimensions	2094 x 1038 x 35
weight	24.3 kg
pallet dimensions	2135 x 1130 x 1175
container	40' HQ
pieces per pallet	31
pallets per container	22
modules per container	682
gross weight per pallet	800 kg
gross weight per container	17600 kg

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>



# DMEGC