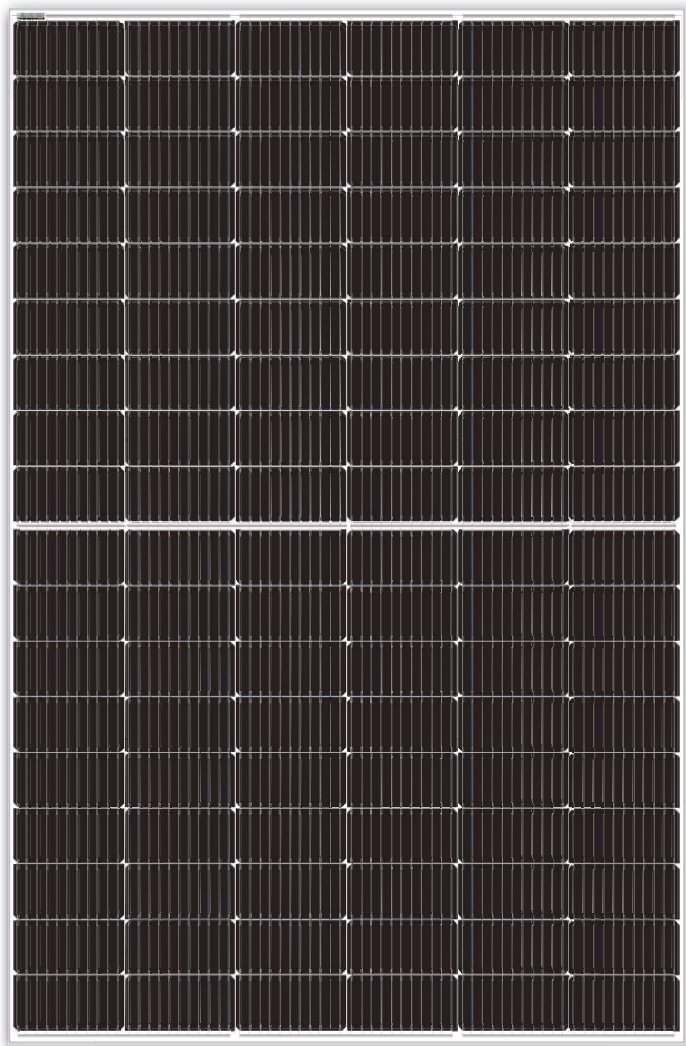


## DM410M10-54HSW/-V

400 | 405 | 410 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



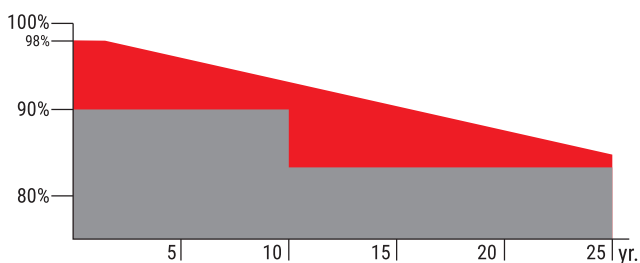
### HALF CELL TECHNOLOGY

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            | P <sub>m</sub> (W) | Tolerance | I <sub>mp</sub> (A) | V <sub>mp</sub> (V) | I <sub>sc</sub> (A) | V <sub>oc</sub> (V) | Efficiency |
|-------------------|--------------------|-----------|---------------------|---------------------|---------------------|---------------------|------------|
| DM400M10-54HSW/-V | 400                | 0 - 3 %   | 13.19               | 30.35               | 13.59               | 37.21               | 20.65%     |
| DM405M10-54HSW/-V | 405                | 0 - 3 %   | 13.28               | 30.52               | 13.68               | 37.33               | 20.91%     |
| DM410M10-54HSW/-V | 410                | 0 - 3 %   | 13.37               | 30.69               | 13.77               | 37.45               | 21.17%     |

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 18                       |
| module structure         | glass / backsheet            |
| glass thickness          | 2.8 mm                       |
| PV module classification | class II                     |
| junction box rating      | IP67 / IP68                  |
| cables                   | 4 mm <sup>2</sup>   1100 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

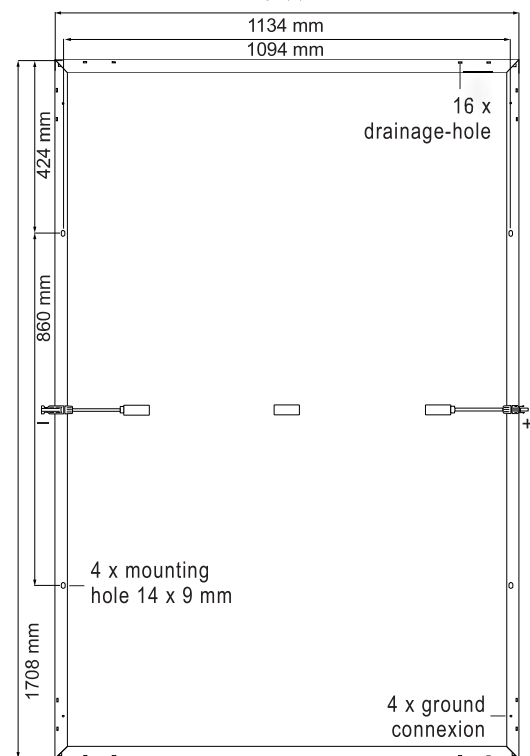
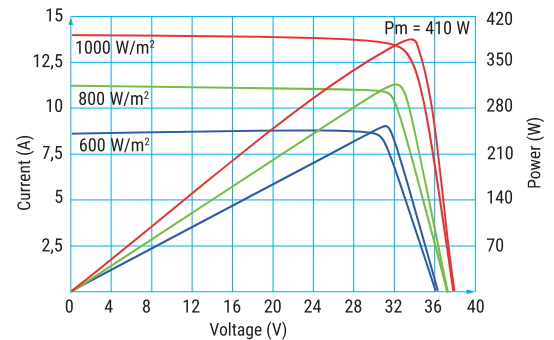
|                                             |                 |
|---------------------------------------------|-----------------|
| temperature coefficient of I <sub>sc</sub>  | + 0.0448 % / °C |
| temperature coefficient of V <sub>oc</sub>  | - 0.246 % / °C  |
| temperature coefficient of P <sub>max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

## Packaging

|                       |                  |
|-----------------------|------------------|
| module dimensions     | 1708 x 1134 x 30 |
| weight                | 20 kg            |
| container             | 40' HQ           |
| pieces per pallet     | 36               |
| modules per container | 936              |

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>

