

Contact DMEGC Solar

DMEGC Renewable B.V.

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Head of Agri-PV, Greenhouse, and customize product

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About DMEGC Solar

Founded in 1980, DMEGC Solar is committed to be the world's leading renewable energy company, possessing five manufacturing bases with an annual capacity of 14 GW cells and 12 GW modules, and cumulative shipments are over 30 GW+.

With industry leading technology R&D, manufacturing technologies, quality management and service, DMEGC Solar provides high efficiency and reliable PV products and all application solutions for global customers.

- Top 10 PV Module suppliers in 2022 (PVTECH)
- Bloomberg "Tier 1 Solar Panels Manufacturers"
- EUPD Research "Top Brand PV Modules" since 2018
- Top Performer in PVEL PV Module Reliability Scorecard
- Leading Altman-Z score ranking in Global Solar Industry

Greenhouse brand solutions from DMEGC Solar

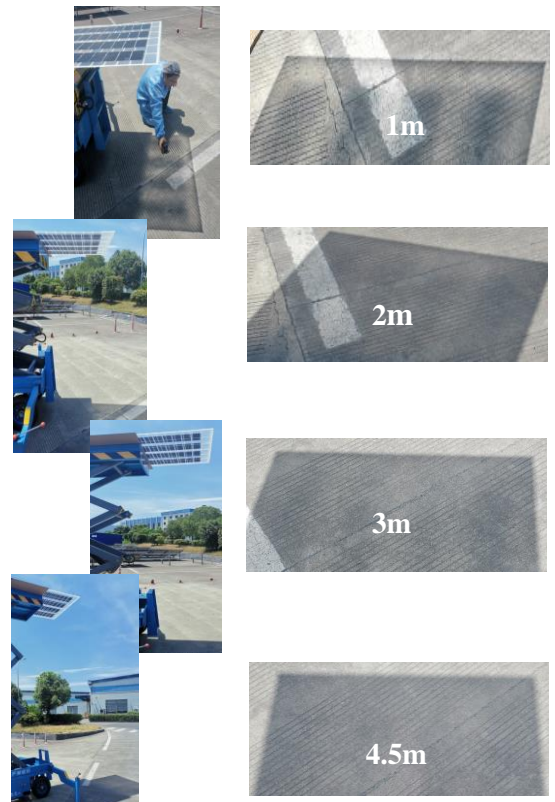
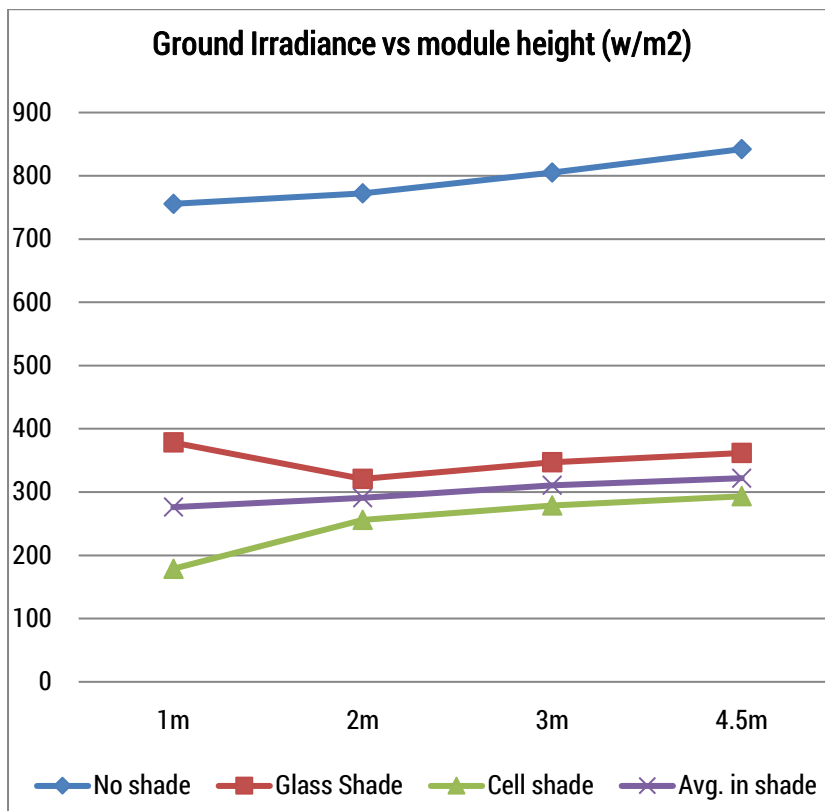


Back to 2018 we become clearly see the bright future of integrated PV into Agriculture, Carport, Warehouse, and BIPV application and created Greenhouse ® Brand (see the logo at left).

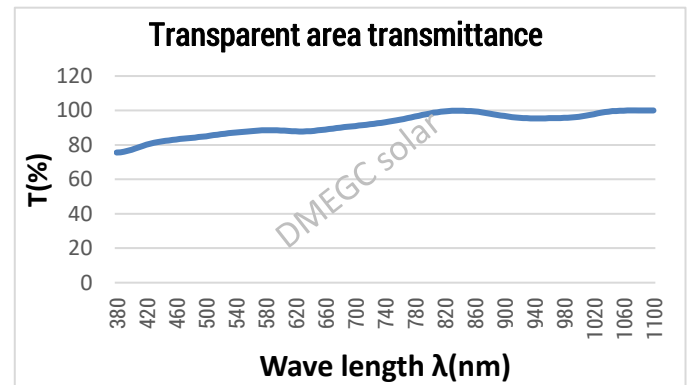
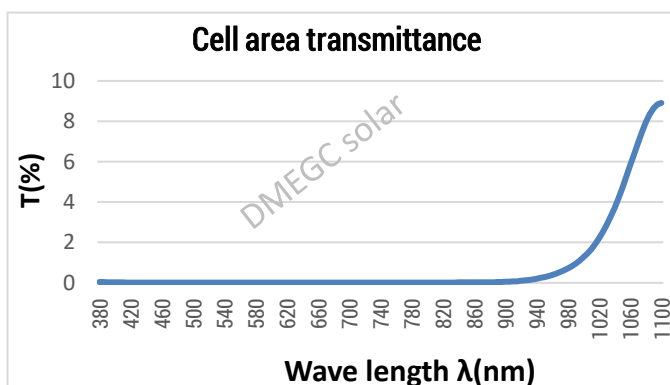
We have our first project at greenhouse application was installed in 2019 located at Delft the Netherlands (see pic in below), it was a 200kw project only, and the light scattering was not optimized. In parallel of that there was another small project with frameless laminate only, and from there we harvest pain and gain.



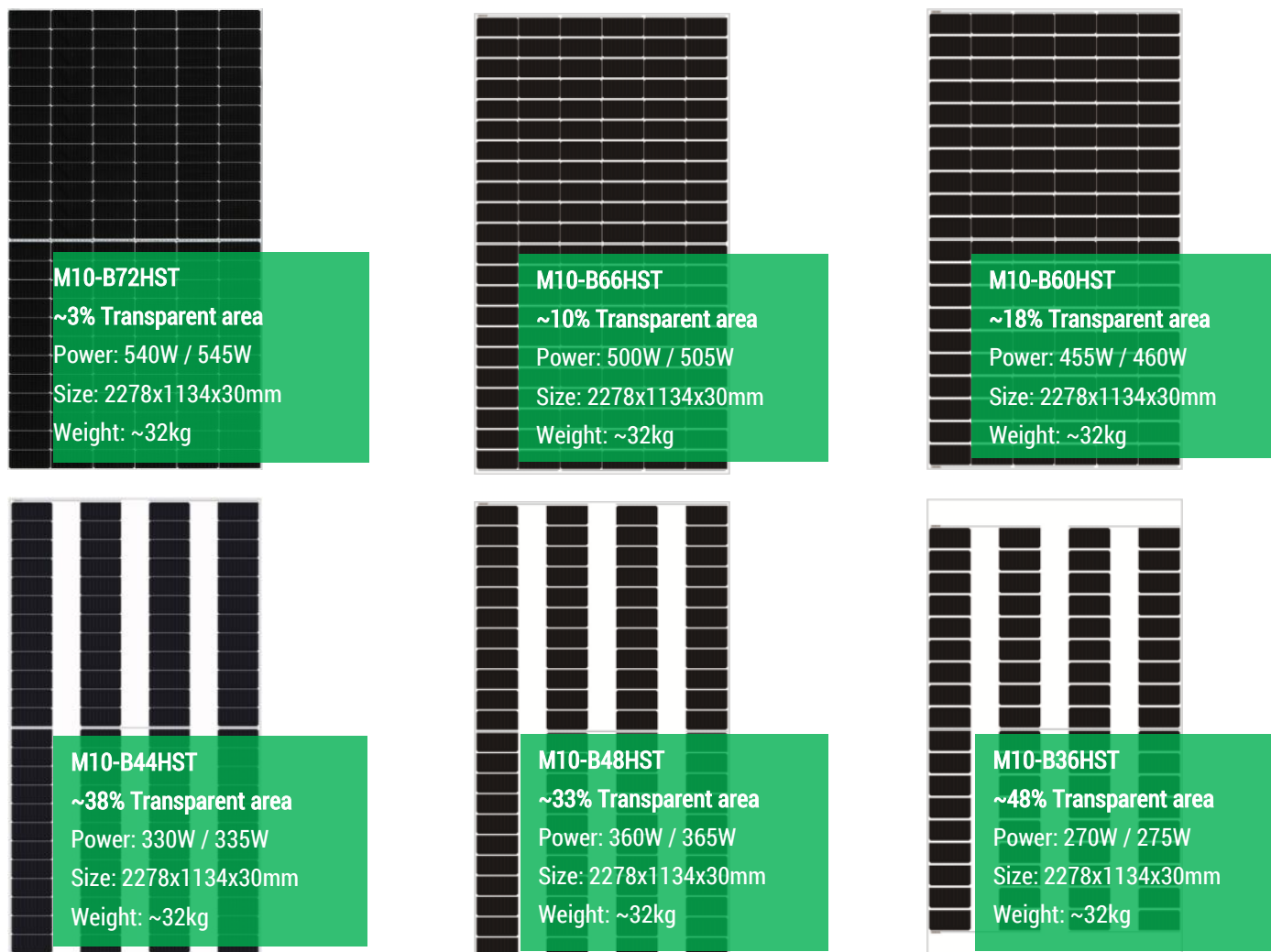
From then, we improved the light scattering performance of our module, the latest solution shows the light scattering reach its best within 2 meter under the panel.



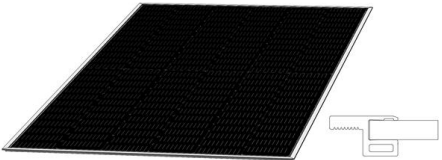
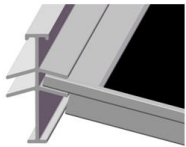
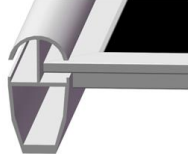
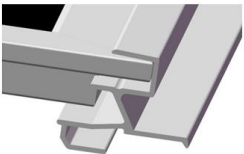

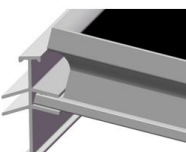

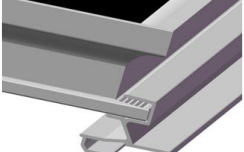
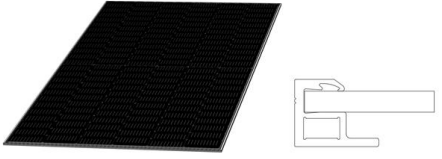
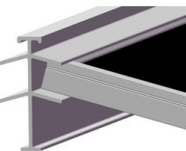

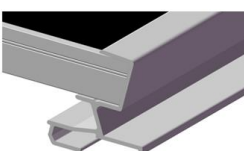
In below the typical transmittance of our module associate with light spectrum:



Below the major products we're able to provide for agriculture purpose with their transparent area from 3%-almost 50%, fit for growing:



To integrate above Agri-PV modules into greenhouse, we further developed below special frames which are able to match almost all greenhouse roof systems:

| Frame | Product | Match ridge | Match roof bar | Match gutter |
|-------------|---|---|--|---|
| Y framed |  |  |  |  |
| ECG framed |  |  |  |  |
| 16mm framed |  |  |  |  |

Our reference projects

