

# THE GREENHOUSE MODULE



ULTRA-LIGHTWEIGHT



FLEXIBILITY



TRANSLUCENT



EXTREME WEATHER  
CONDITIONS



SPECIAL CUSTOMIZED  
SOLUTIONS



HIGHER ENERGY  
YIELD



## TECHNICAL DATA

Solar cells	5BB monocrystalline solar cells 5BB bifacial monocrystalline solar cells
Maximum system voltage	1000 V
Maximum reverse current	20 A
Isc	9.07 A
Imp	8.75 A
Weight	from 2.5 kg/m <sup>2</sup> (typically 3.3 kg/m <sup>2</sup> )
Front sheet	Soil-resistant ETFE-Film
Encapsulation	Patented fiberglass-reinforced plastic
Back sheet	High-resistance PET
Junction box	TÜV-certified (IP67/68) with bypass-diodes
Cables	2 x 4 mm <sup>2</sup>
Connector	PV4-S

# THE GREENHOUSE MODULE

DAS Energy's transparent module series is designed for applications where sunlight is a very important factor like greenhouses. It is possible to fully integrate this innovative development into a greenhouse roof and façade. Sunlight shines through the modules and electricity is produced. By using our light-catching surface and bifacial cells your energy yield is pushed to new heights.



## THERMAL CHARACTERISTICS

Operating temperature range	-40°C to 85°C
Temperature coefficient P <sub>mpp</sub>	-0.393 % / °C
Temperature coefficient V <sub>oc</sub>	-0.310 % / °C
Temperature coefficient I <sub>sc</sub>	0.051 % / °C

## APPLICATIONS

Greenhouses, Agro PV

## POWER RANGE 25WP-340WP

Tolerances  
 ≥ 250 Wp: -0/+5 W  
 100 – 250 Wp: -3.5/+3.5 W  
 < 100 Wp: -2.5/+2.5 W

## HIGH RELIABILITY

IEC 61730 | IEC 61215  
 IEC 62804-1 Potential-induced degradation  
 IEC 61701 Salt mist corrosion  
 IEC 62716 Ammonia corrosion  
 EN 13501-5 B<sub>ROOF</sub> (t1) "Flying sparks test"

## WARRANTY

10-year product warranty  
 40-year linear performance warranty for building-integrated and building-applied installations

## SCIENTIFIC PARTNERS AND ASSOCIATIONS



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