



GermanSolar
The Partner For Your Solar Lifestyle®

CUSTOMIZED SOLAR PANEL SERIES

AGRIVOLTAIC S O L A R P A N E L S

Create a win-win situation by making your farm greener, healthier, and energy independent.

FEATURES

Specifications: customized specifications.



High transmittance
from
40 % - 60 %



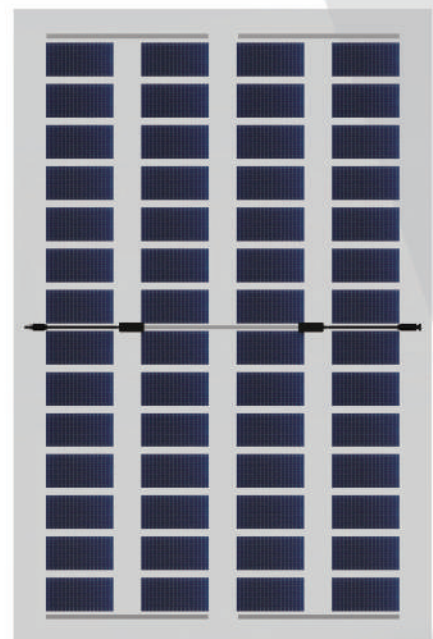
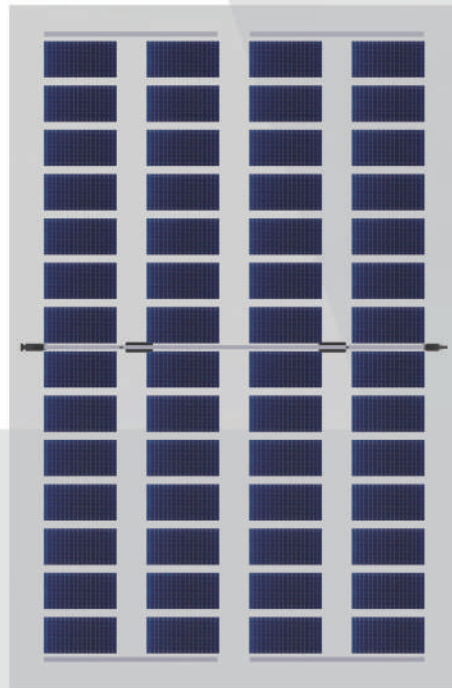
Double glass
laminated,
water resistant



Suitable
for farming, BIPV,
high transmittance
demands



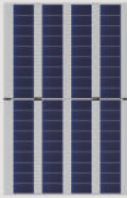
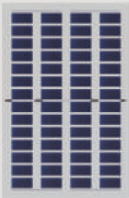
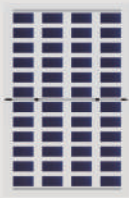
Customized size
and
transmittance rate



APPLICATION SCENARIO



ELECTRICAL DATA

Light Transmittance (%)	40	50	60
Illustration			
Nominal Max. Power (P _{max})* (W)	260	200	175
Open Circuit Voltage (V _{oc}) (V)	25.88	20.13	16.61
Short Circuit Current (I _{sc}) (A)	12.17	12.07	12.99
Max. Power Voltage (V _{mpp}) (V)	22.75	17.69	14.18
Max. Power Current (I _{mpp}) (A)	11.43	11.31	12.35
Module Efficiency (%)	13.31	10.24	8.96
Power Tolerance (%)	± 3		
Power Temperature Coefficient γ	-0.26 % / °C		
Current Temperature Coefficient α	+0.04 % / °C		
Voltage Temperature Coefficient β	-0.24 % / °C		

*STC: Irradiance 1000 W / m², cell temperature 25 °C, AM = 1.5, Tolerance of P_{max} is within + / - 3 %.

BSTC **

Nominal Max. Power (P _{max})* (W)	286	220	192
Open Circuit Voltage (V _{oc}) (V)	26.11	22.33	18.71
Short Circuit Current (I _{sc}) (A)	12.73	12.34	12.41
Max. Power Voltage (V _{mpp}) (V)	24.01	19.03	16.51
Max. Power Current (I _{mpp}) (A)	11.92	11.57	11.63
NMOT (Nominal Module Operating Temperature) (°C)	41 ± 3		

**BSTC: Front side irradiation 1000 W / m², back side reflection irradiation 135 W / m², AM = 1.5, ambient temperature 25 °C.

MECHANICAL DATA

Dimensions (mm)	1716 x 1128 x 5
Weight (kg)	20 (2.0 mm glass)
Solar Cells (mm)	Mono 182 x 91
Front Glass	2.0 mm glass
Back Glass	2.0 mm glass
Junction Box	IP68, 3 diodes
Cables	4 mm ² , 450 mm in length, length can be customized / UV resistant
Connectors	MC4 original / MC4 compatible

OPERATING CONDITIONS

Max. System Voltage (V)	1500
Operating Temperature (°C)	-40 ~ +85
Max. Series Fuse Rating (A)	30
Front Side Maximum Static Loading (Pa)	5400
Rear Side Maximum Static Loading (Pa)	2400

PACKAGING

Modules Per Pallet (pcs)	35
Pallets Per Container (pcs)	26
Module quantity per 40' container (pcs)	910

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty | 25-Year Performance Warranty

