



GermanSolar
The Partner For Your Solar Lifetime®

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
20 % - 60 %*



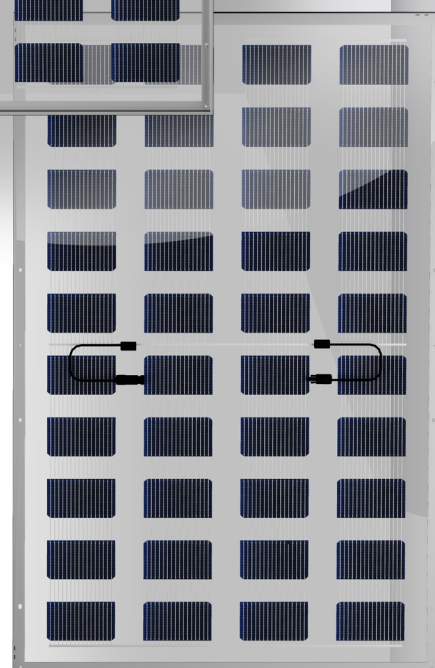
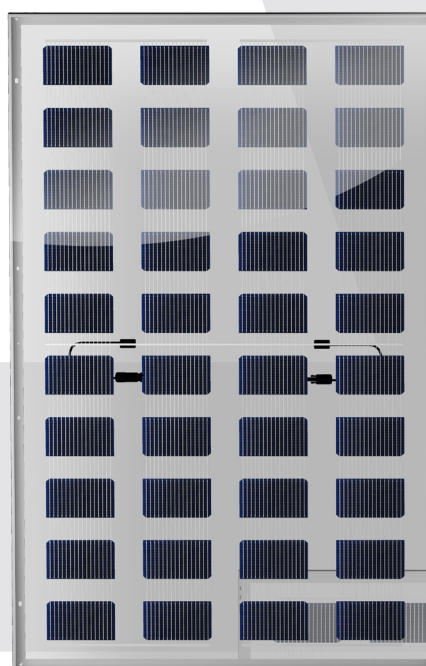
*Double glass
laminated,
water resistant*



*Suitable
for farming, BIPV,
high transmittance
demands*



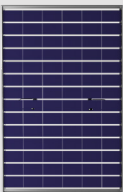
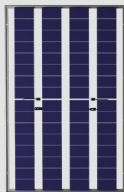
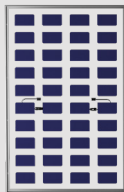
*Customized size
and
transmittance rate*



APPLICATION SCENARIO



ELECTRICAL DATA

Light Transmittance (%)	20	40	60
Illustration			
Nominal Max. Power (P _{max})* (W)	350	270	170
Open Circuit Voltage (V _{oc}) (V)	32.56	24.95	15.89
Short Circuit Current (I _{sc}) (A)	13.64	13.64	13.64
Max. Power Voltage (V _{mpp}) (V)	27.01	20.83	13.12
Max. Power Current (I _{mpp}) (A)	12.96	12.96	12.96
Module Efficiency (%)	17.52	13.52	8.50
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)	385	297	187
Open Circuit Voltage (V _{oc}) (V)	34.11	26.45	16.45
Short Circuit Current (I _{sc}) (A)	15.02	15.02	15.02
Max. Power Voltage (V _{mpp}) (V)	29.30	22.61	14.24
Max. Power Current (I _{mpp}) (A)	13.14	13.14	13.14
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)	1762 × 1134 × 30
Weight (kg)	25.0 (2.0 mm glass) or 23.0 (1.6 mm glass)
Solar Cells (mm)	Mono 182 × 105
Front Glass	2.0 mm glass or 1.6 mm glass
Back Glass	2.0 mm glass or 1.6 mm glass
Junction Box	IP68, 3 diodes
Cables	4 mm ² , 300 mm in length, length can be customized / UV resistant
Connectors	MC4 original / MC4 compatible

OPERATING CONDITIONS

Max. System Volt age (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)	36
Pallets Per Container (pcs)	26
Module quantity per 40' container (pcs)	936

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty | 25-Year Performance Warranty

