



GermanSolar
The Partner For Your Solar Lifetime®

AGRIVOLTAIC SERIES

AGRIVOLTAIC SEMI-FLEX SOLAR PANELS

Bring a new life to your farm by combining solar panels and agriculture. Make your farm greener, healthier, and more earth-friendly.

FEATURES

Specifications: customized specifications.



**High
transmittance
from 20 % - 60 %**



Flexible



**Waterproof
and
corrosion resistant**



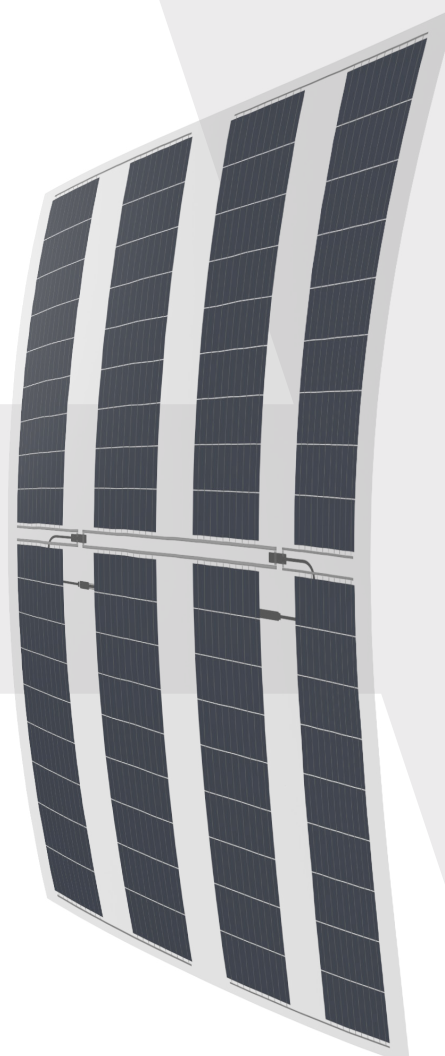
**Suitable
for farming, BIPV,
high transmittance
demands**



**Reinforced
composite Film**



**Customized size
and
transmittance rate**



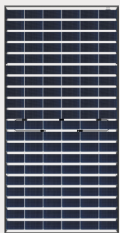
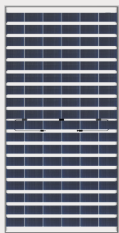
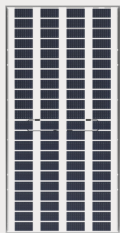
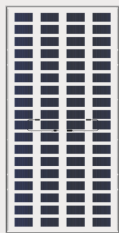
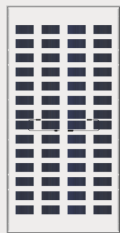
APPLICATION SCENARIO



APPLICATION SCENARIO



ELECTRICAL DATA *

Light Transmittance (%)	20	30	40	50	60
Illustration					
Model	GSM10-Agri-365W-CF	GSM10-Agri-320W-CF	GSM10-Agri-275W-CF	GSM10-Agri-215W-CF	GSM10-Agri-180W-CF
Cell Number	6 X 16	6 X 14	4 X 18	4 X 14	4 X 12
Nominal Max. Power (P _{max}) *(W)	365	320	275	215	180
Open Circuit Voltage (V _{oc}) (V)	34.23	29.95	25.68	19.97	17.12
Short Circuit Current (I _{sc}) (A)	12.94	12.96	13.00	13.06	12.76
Max. Power Voltage (V _{mpp}) (V)	29.39	25.71	22.04	17.14	14.69
Max. Power Current (I _{mp}) (A)	12.42	12.45	12.48	12.54	12.25
Module Efficiency (%)	18.69	16.39	14.08	11.01	9.22
Power Tolerance (%)	± 3				
Power Temperature Coefficient γ	-0.33 % / °C				
Current Temperature Coefficient α	+0.04 % / °C				
Voltage Temperature Coefficient β	-0.27 % / °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)	404	355	305	238	199
Open Circuit Voltage (V _{oc}) (V)	34.35	30.06	25.77	20.04	17.18
Short Circuit Current (I _{sc}) (A)	16.24	16.27	16.31	16.40	16.01
Max. Power Voltage (V _{mpp}) (V)	29.39	25.71	22.04	17.14	14.69
Max. Power Current (I _{mp}) (A)	13.76	13.79	13.83	13.90	13.57
NMOT (Nominal Module Operating Temperature) (°C)	41°C ± 3°C				

**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)	1782 × 1134 × 1.8
Weight (kg)	6.0
Solar Cells (mm)	Mono 182 x 91
Junction Box	IP68, 2 diodes
Cables	1200 mm in length (customizable) / UV resistant
Connectors	MC4 original / MC4 compatible

OPERATING CONDITIONS

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

PACKAGING

Panels Per Pallet (pcs)	70
Pallets Per Container (pcs)	12
Panels quantity per 40' container (pcs)	840

LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty | 25 Years Performance Warranty

