



GermanSolar
The Partner For Your Solar Lifetime®

CUSTOMIZED PANEL SERIES

AGRIVOLTAIC S O L A R P A N E L

Bring a new life to your farm by combining solar panels and agriculture. Make your farm greener and healthier so as the Earth. What a win-win choice!

FEATURES

Specification: Customized specifications.



*High Transmittance
from
10% - 60%*



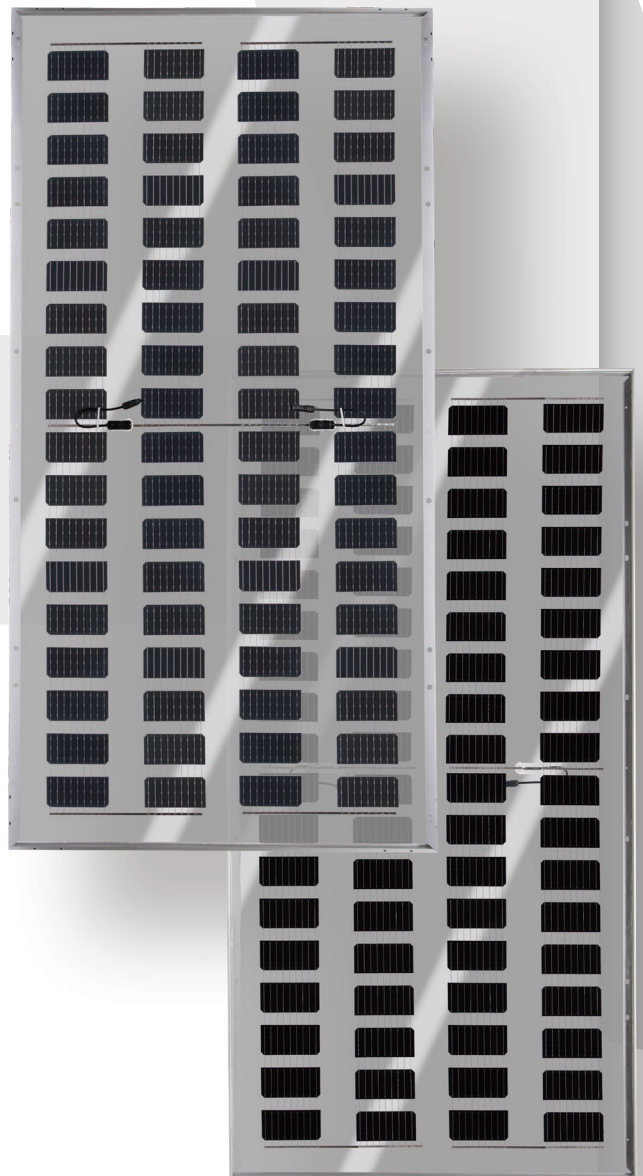
*Glass:
Laminated, water
resistant*



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



*Customized size
and
transmittance rate*



APPLICATION SCENARIO



- Product can be customized upon request.

ELECTRICAL DATA

Light transmission (%)	60	50	40	30	20	10
Nominal Max. Power (P _{max}) *(W)	245	290	370	410	470	570
Open Circuit Voltage (V _{oc}) (V)	43.58	51.57	48.38	53.44	47.52	49.14
Short Circuit Current (I _{sc}) (A)	6.93	6.91	9.41	9.41	11.98	14.43
Max. Power Voltage (V _{mpp}) (V)	37.05	44.01	41.26	45.76	41.18	41.43
Max. Power Current (I _{mpp}) (A)	6.62	6.59	8.97	8.96	11.42	13.76
Module Efficiency (%)	9.48	11.22	14.31	15.86	18.18	22.05
Drawing - schematic						
Power Tolerance	0 ~ +5W					
Temperature Coefficient (P _{max})	-0.26% / °C					
Temperature Coefficient (I _{sc})	+0.04% / °C					
Temperature Coefficient (V _{oc})	-0.24% / °C					

* STC: Irradiance 1000W/m², cell temperature 25°C, AM=1.5.

BSTC **

Nominal Max. Power (P _{max})*(W)	270	320	405	450	515	625
Open Circuit Voltage (V _{oc}) (V)	43.58	51.57	48.38	53.44	47.52	49.14
Short Circuit Current (I _{sc}) (A)	7.63	7.62	10.35	10.34	13.18	15.83
Max. Power Voltage (V _{mpp}) (V)	37.05	44.01	41.26	45.76	41.18	41.43
Max. Power Current (I _{mpp}) (A)	7.28	7.28	9.87	9.86	12.56	15.09
NMOT (Nominal Module Operating Temperature)	41 °C ± 3 °C					

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

MECHANICAL DATA

Dimensions	2279x 1134x 35 mm
Weight	Approximately 31.8kg
Front Glass	2.0mm anti-reflective surface solar glass
Back glass	2.0mm glass
Frame	Anodized aluminum alloy, original or black
Junction Box	IP67
Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connector	MC4 or MC4 compatible

PACKAGING

Standard packaging	31pcs /pallet
Pallets Per Container	20
Module quantity per 40' container	620pcs /40' HC container

OPERATING CONDITIONS

Max. System Voltage	1500V(IEC/UL) or 1000V(IEC/UL)
Operating Temperature	-40°C~ +85°C
Max. Series Fuse Rating	30A
Front Side Maximum Static Loading Rear Side Maximum Static Loading	5400 Pa /2400 Pa

LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty | 30 years Linear Power warranty

