



CUSTOMIZED SOLAR PANEL SERIES

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

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

FEATURES

Specifications: customized specifications



High transmittance
from
20 % - 60 %



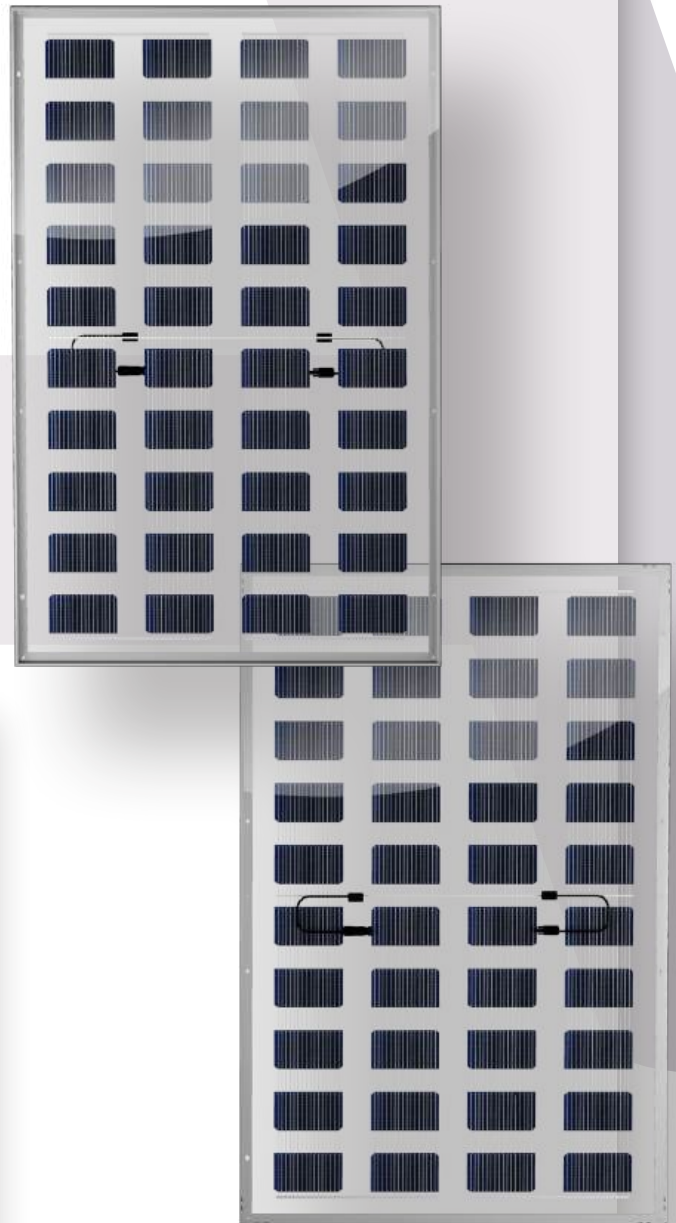
Double glass
laminated,
water resistant



Suitable
for farming, BIPV,
high transmittance
demands



Customized size
and
transmittance rate



APPLICATION SCENARIO



Conforms to UL Std 61730-1
& 61730-2
UL Std 61215-1/61215-1-1/
& 61215-2
Certified to CSA Std C22.2 #
61730-1/61730-2

ELECTRICAL DATA

Light Transmittance (%)	20	30	40	50	60
Illustration					
Nominal Max. Power (Pmax) *(W)	345	300	260	200	175
Open Circuit Voltage (Voc) (V)	34.51	30.20	25.88	20.13	17.26
Short Circuit Current (Isc) (A)	12.11	12.04	12.17	12.04	12.29
Max. Power Voltage (Vmpp) (V)	30.34	26.54	22.75	17.70	15.17
Max. Power Current (Impp) (A)	11.37	11.31	11.43	11.30	11.54
Module Efficiency (%)	17.66	15.36	13.31	10.24	8.96
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 Pmax is within + / - 3 %.

BSTC **

Nominal Max. Power (Pmax) *(W)	379	330	286	220	192
Open Circuit Voltage (Voc) (V)	36.11	32.80	27.52	22.33	18.61
Short Circuit Current (Isc) (A)	12.36	12.34	12.54	11.81	11.60
Max. Power Voltage (Vmpp) (V)	32.44	28.30	24.13	19.70	17.52
Max. Power Current (Impp) (A)	11.68	11.67	11.86	11.17	10.96
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)	1722 × 1134 × 30
Weight (kg)	24.2
Solar Cells (mm)	Mono 182 × 91
Front Glass	2.0 mm glass
Back Glass	2.0 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 Linear Power Warranty

