AIKO

STELLAR

2N+66 Dual-Glass Bifacial Module

655W-690W



Technical Features:

- Partial Shading Optimisation
- Better Temperature Coefficient
- High Temperature Restriction
- Micro-crack Resistance
- Higher Power
- Lower BOS
- More Aesthetic Values

TIER 1 BloombergNEF

ESG Shanghai AIKO Energy Co., Ltd.

inter solar award 2023 WINNER

reddot winner 2023

15 year Product Warranty

30 year Performance Warranty

IEC 61215 IEC 61730

2014/35/EU

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

Warranty partner

TÜVRheinland

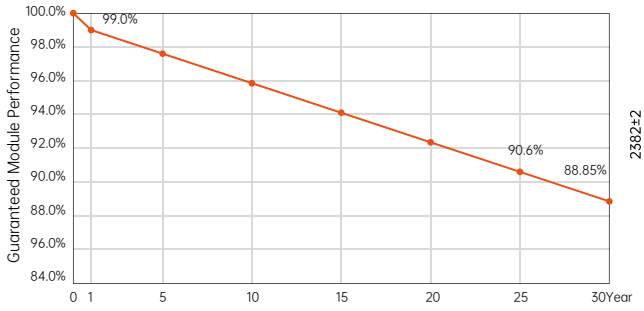
Munich RE

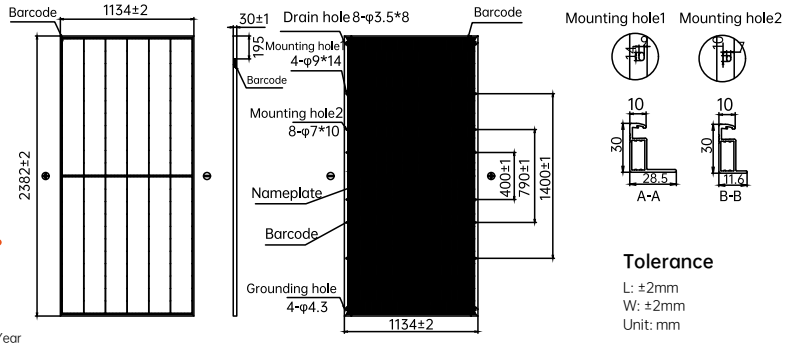
Stellar 2N+66

AIKO-A-GRH66Dw

690W	25.5%	≤1%	≤0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

30-year Linear Performance Warranty





Tolerance

L: ±2mm
W: ±2mm
Unit: mm

Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s)

Power Tolerance: 0~ + 3%

Module Type	AIKO-A655-GRH66Dw		AIKO-A660-GRH66Dw		AIKO-A665-GRH66Dw		AIKO-A670-GRH66Dw		AIKO-A675-GRH66Dw		AIKO-A680-GRH66Dw		AIKO-A685-GRH66Dw		AIKO-A690-GRH66Dw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max}[W]	655	499	660	503	665	507	670	511	675	514	680	518	685	522	690	525
V_{oc}[V]	49.80	47.62	49.90	47.72	50.00	47.82	50.10	47.91	50.20	48.01	50.30	48.10	50.40	48.2	50.50	48.29
V_{mp}[V]	40.80	39.08	40.90	39.18	41.00	39.27	41.11	39.37	41.21	39.46	41.32	39.56	41.43	39.65	41.53	39.75
I_{sc}[A]	16.72	13.48	16.80	13.54	16.88	13.60	16.96	13.66	17.04	13.71	17.12	13.77	17.2	13.82	17.28	13.88
I_{mp}[A]	16.06	12.76	16.14	12.83	16.22	12.90	16.30	12.97	16.38	13.03	16.46	13.09	16.54	13.16	16.62	13.22
Module Efficiency	**24.2%**		**24.4%**		**24.6%**		**24.8%**		**25.0%**		**25.2%**		**25.4%**		**25.5%**	

Product Specification

Bifacial Factor	80±5%
Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm coated semi-tempered glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
No. of Cells	132(6*22)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/ MC4-EVO2A
Weight	32.5kg±3%
Dimension	2382*1134*30mm
Package Detail	36pcs per pallet / 144pcs per 20'GP / 720pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I_{sc}	+ 0.05%/ ℃
Temperature Coefficient of V_{oc}	- 0.22%/ ℃
Temperature Coefficient of P_{max}	- 0.26%/ ℃

Installation Guide

Operation Temperature	-40℃ - +70℃
Maximum Series Fuse Rating	30A
Protection Class	ClassII
V_{oc} and I_{sc} Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class A

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*AIKO reserves right to update the specification without notice
*Optional Munich Re coverage is available upon request
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