VIỆT NAM SOLAR
vietnamsolar.vn

AIKO

STELLAR

3N+72 Dual-Glass Bifacial Module

650W-685W

Technical Features:

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

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

CE

TÜVRheinland

Warranty partner

Munich RE

IEC 61215 IEC 61730
2014/35/EU
ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

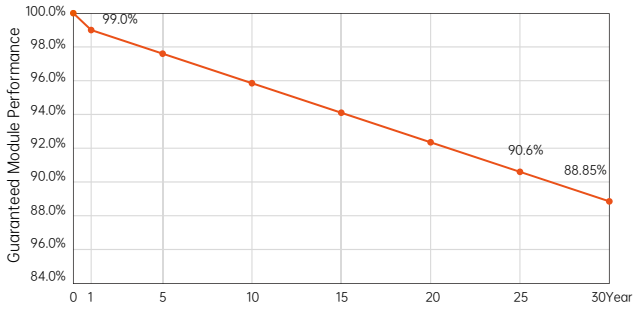
VIỆT NAM SOLAR
vietnamsolar.vn

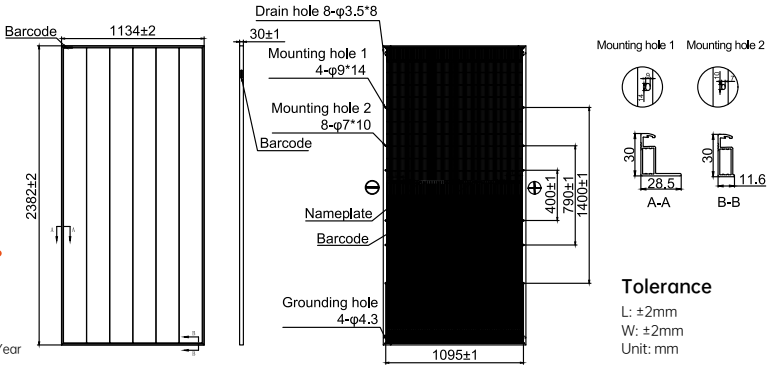
Stellar 3N+72

AIKO-A-MDE72Dw

685W	25.4%	≤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-A650-MDE72Dw			AIKO-A655-MDE72Dw			AIKO-A660-MDE72Dw			AIKO-A665-MDE72Dw			AIKO-A670-MDE72Dw			AIKO-A675-MDE72Dw			AIKO-A680-MDE72Dw			AIKO-A685-MDE72Dw		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P_{max} [W]	650	520	685	655	524	690	660	527	695	665	531	700	670	535	705	675	538	710	680	542	715	685	546	720
V_{oc} [V]	54.90	51.23	54.90	55.00	51.33	55.00	55.10	51.43	55.10	55.20	51.53	55.20	55.30	51.63	55.30	55.40	51.73	55.40	55.50	51.83	55.50	55.60	51.93	55.60
V_{mp} [V]	44.79	42.98	44.79	44.89	43.07	44.89	44.99	43.16	44.99	45.09	43.25	45.09	45.19	43.34	45.19	45.29	43.43	45.29	45.39	43.52	45.39	45.49	43.61	45.49
I_{sc} [A]	15.27	13.08	16.08	15.33	13.14	16.14	15.39	13.20	16.20	15.45	13.26	16.26	15.52	13.32	16.33	15.59	13.38	16.39	15.66	13.44	16.46	15.73	13.50	16.52
I_{mp} [A]	14.52	12.10	15.29	14.60	12.16	15.37	14.68	12.22	15.45	14.75	12.28	15.52	14.83	12.34	15.60	14.91	12.40	15.68	14.99	12.46	15.75	15.07	12.52	15.83
Module Efficiency	**24.1%**			**24.2%**			**24.4%**			**24.6%**			**24.8%**			**25.1%**			**25.2%**			**25.4%**		

Product Specification

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	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/MC4-EVO2A
Weight	32.2kg±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	Class II
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Fire Rating	IEC Class A

www.aikosolar.com
marketing@aikosolar.com

*AIKO reserves right to update the specification without notice
*Optional Munich Re coverage is available upon request
202603_V2.1_EN