AIKO

Stellar 1N+ Dual-glass Bifacial

635W-660W

Higher Power

Lower LCOE

- Partial Shading Optimisation
- High Temperature Restriction
- Micro-crack Resistance
- PFAS-free

Optional

- Anti-corrosion Frame
- Waterproof Encapsulation
- Waterproof Cap



12 year Product Warranty

30 year Performance Warranty

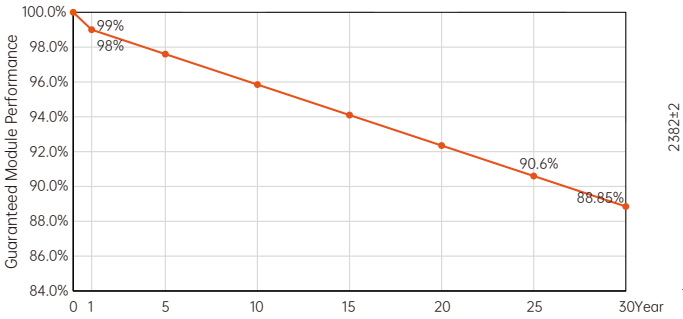
reddot winner 2023

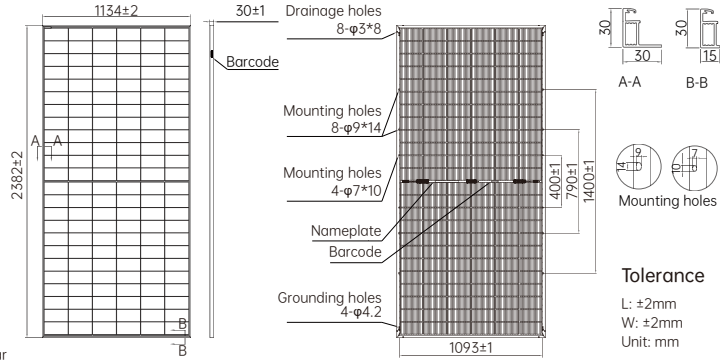
Stellar 1N+

AIKO-G-MCH72Dw

660W	24.4%	⩽1%	⩽0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

30-year Linear Performance Warranty





Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s) Power Tolerance:0~ + 3%

Module Type	AIKO-G635-MCH72Dw		AIKO-G640-MCH72Dw		AIKO-G645-MCH72Dw		AIKO-G650-MCH72Dw		AIKO-G655-MCH72Dw		AIKO-G660-MCH72Dw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	635	478	640	482	645	486	650	490	655	493	660	497
V_{oc} [V]	54.20	51.18	54.30	51.28	54.40	51.37	54.50	51.47	54.60	51.56	54.70	51.66
V_{mp} [V]	45.01	42.51	45.11	42.60	45.21	42.70	45.31	42.79	45.41	42.89	45.51	42.99
I_{sc} [A]	14.90	12.05	14.96	12.10	15.02	12.15	15.08	12.20	15.14	12.24	15.20	12.29
I_{mp} [A]	14.11	11.26	14.19	11.33	14.27	11.39	14.35	11.46	14.43	11.51	14.51	11.57
Module Efficiency	**23.5%**		**23.7%**		**23.9%**		**24.1%**		**24.2%**		**24.4%**	

Mechanical Specification

Bifacial Factor	70±5%
Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm Heat Strengthened Glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) +350mm, -280mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68,3 bypass diodes
Connector	MC4 compatible
Weight	33.5kg
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℃ - +85℃
Maximum Series Fuse Rating	30A
Protection Class	Class II
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 C

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*AIKO Energy reserves right to update the specification without notice