AIKO

COMET

1N Mono-Glass Module

590W-615W

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 Transparency Award 2023/24

Intersolar award 2023 WINNER

reddot winner 2023

15 year Product Warranty

30 year Performance Warranty

CE

TÜVRheinland

Warranty partner

Munich RE

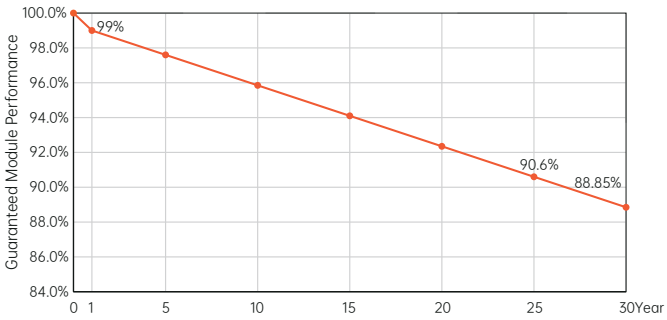
Made in China

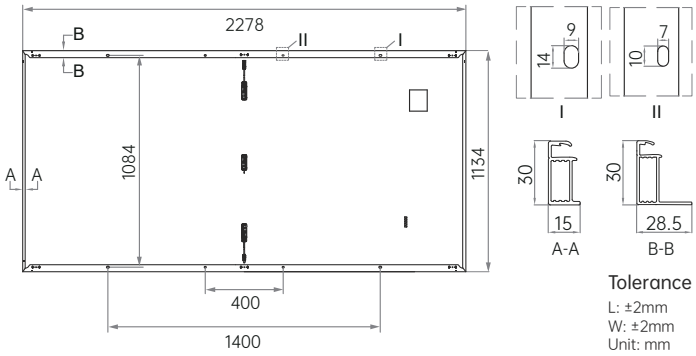
Comet 1N

AIKO-Axxx-MAH72Mw

615W	23.8%	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 Binning Tolerance:0~ + 3%

Model	AIKO-A590-MAH72Mw		AIKO-A595-MAH72Mw		AIKO-A600-MAH72Mw		AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	590	444.0	595	448.0	600	452.0	605	456.0	610	459.0	615	463.0
V_{oc} [V]	53.79	50.80	53.89	50.89	53.99	50.99	54.09	51.08	54.19	51.18	54.29	51.27
V_{mp} [V]	44.48	42.01	44.58	42.10	44.68	42.19	44.78	42.29	44.88	42.38	44.98	42.48
I_{sc} [A]	14.03	11.34	14.11	11.41	14.20	11.48	14.28	11.55	14.36	11.61	14.44	11.68
I_{mp} [A]	13.27	10.59	13.35	10.65	13.43	10.72	13.52	10.79	13.60	10.85	13.68	10.91
Module Efficiency	**22.8%**		**23.0%**		**23.2%**		**23.4%**		**23.6%**		**23.8%**	

Mechanical Specification

Cell Type	N-Type BC
Front Cover Mono glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) ±350mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	AIKO-01C from Zhejiang Aiko Solar Technology Co., Ltd
Weight	27kg
Dimension	2278*1134*30mm
Package Detail	36pcs per pallet / 180pcs 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

T_{98} max	70℃
Module Operation Temperature	-40℃ - +85℃
Maximum Series Fuse Rating	25A
Protection Class	Class II
P_{max} and V_{oc} and I_{sc} Measurement 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 reserves right to update the specification without notice

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