

COMET

2N 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



red dot winner 2023



Product
Warranty



Performance
Warranty



Warranty partner

Munich RE



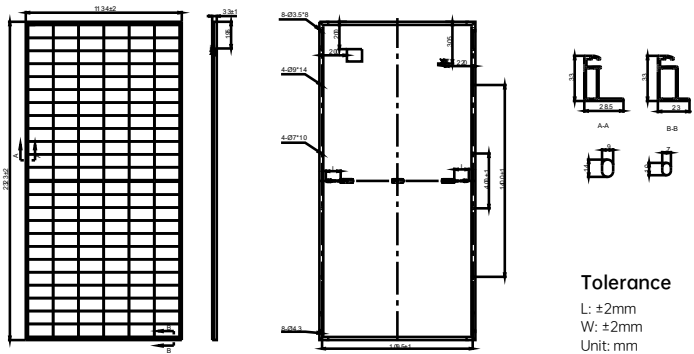
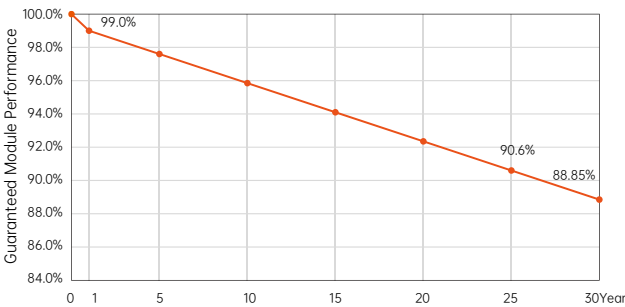
615W
Output

23.3%
Efficiency

≤1%
First-year Degradation

≤0.35%
Annual Degradation from Year 2-30

30-year Linear Performance Warranty



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

Power Tolerance: 0~ + 3%

Module Type	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	595	448	600	452	605	456	610	459	615	463
V _{oc} [V]	53.79	50.8	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	22.4%		22.6%		22.8%		23.0%		23.2%		23.3%	

Product Specification

Cell Type	N-Type ABC
Glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±350mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible
Weight	27.7kg
Dimension	2323*1134*33mm
Package Detail	33pcs per pallet / 165pcs per 20'GP / 660pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I _{sc}	+ 0.05%/ °C
Temperature Coefficient of V _{oc}	- 0.22%/ °C
Temperature Coefficient of P _{max}	- 0.26%/ °C

Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
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 reserves right to update the specification without notice
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