

COMET

1N Mono-Glass Module

585W-610W

Technical Features:

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



reddot winner 2023



Product Warranty
(Extendable to 25years*)



Performance
Warranty



Munich RE



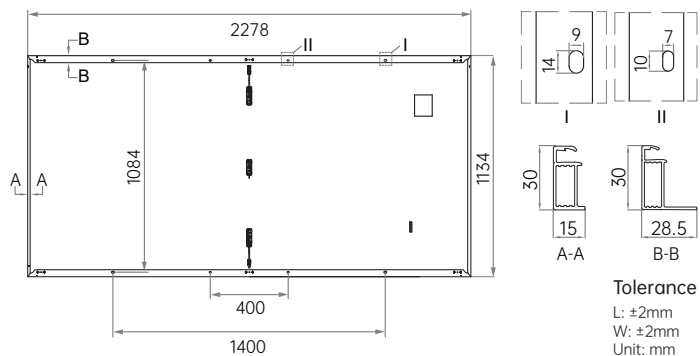
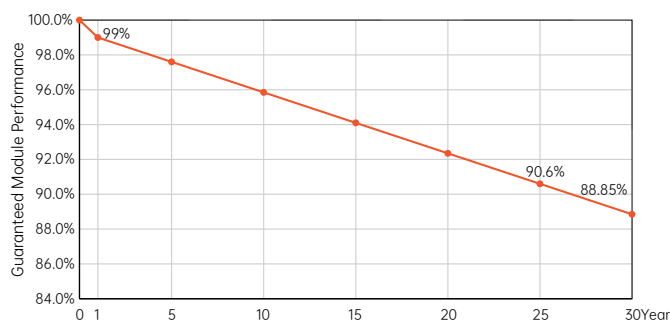
610W
Output

23.6%
Efficiency

 $\leq 1\%$
First-year Degradation

 $\leq 0.35\%$
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%

Model	AIKO-A585-MAH72Mw		AIKO-A590-MAH72Mw		AIKO-A595-MAH72Mw		AIKO-A600-MAH72Mw		AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	585	440	590	444.0	595	448.0	600	452.0	605	456.0	610	459.0
V_{oc} [V]	53.69	50.71	53.79	50.80	53.89	50.89	53.99	50.99	54.09	51.08	54.19	51.18
V_{mp} [V]	44.38	41.92	44.48	42.01	44.58	42.10	44.68	42.19	44.78	42.29	44.88	42.38
I_{sc} [A]	13.95	11.27	14.03	11.34	14.11	11.41	14.20	11.48	14.28	11.55	14.36	11.61
I_{mp} [A]	13.19	10.53	13.27	10.59	13.35	10.65	13.43	10.72	13.52	10.79	13.60	10.85
Module Efficiency	22.6%		22.8%		23.0%		23.2%		23.4%		23.6%	

Mechanical Specification

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±350mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 compatible/MC4-Evo2
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%/ °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

