

# COMET

2N+ Dual-Glass Module  
600W-625W

## 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



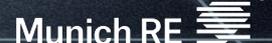
Product Warranty  
Extendable to 25years\*



Performance Warranty



Warranty partner



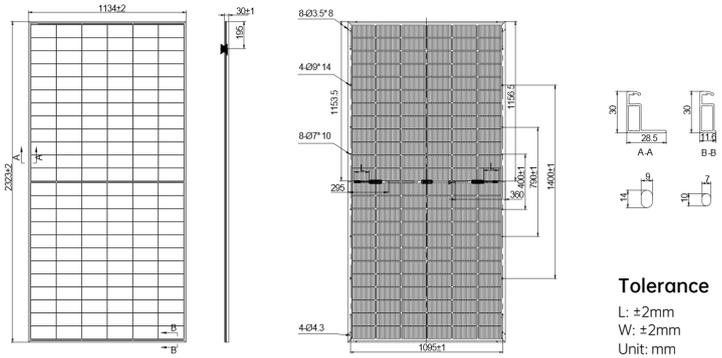
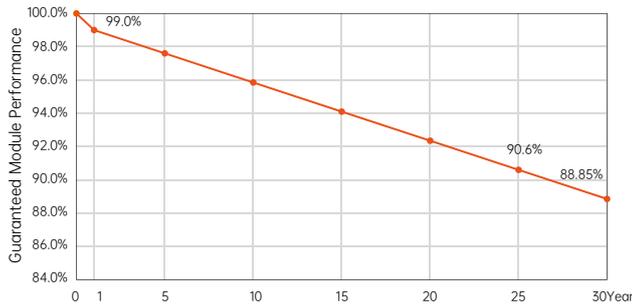
**625W**  
Output

**23.7%**  
Efficiency

**≤1%**  
First-year Degradation

**≤0.35%**  
Annual Degradation from Year 2-30

**30-year Linear Performance Warranty**



**Electrical Characteristics** (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s) Power Tolerance: 0~ + 3%

Module Type	AIKO-A600-MAH72Dw		AIKO-A605-MAH72Dw		AIKO-A610-MAH72Dw		AIKO-A615-MAH72Dw		AIKO-A620-MAH72Dw		AIKO-A625-MAH72Dw	
	STC	NOCT										
P <sub>max</sub> [W]	600	452	605	456	610	459	615	463	620	467	625	471
V <sub>oc</sub> [V]	54.14	51.13	52.24	51.22	54.34	51.32	54.44	51.41	54.57	51.53	54.70	51.66
V <sub>mp</sub> [V]	44.80	42.31	44.90	42.40	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78
I <sub>sc</sub> [A]	14.14	11.44	14.22	11.50	14.30	11.57	14.38	11.63	14.46	11.70	14.54	11.76
I <sub>mp</sub> [A]	13.40	10.69	13.48	10.76	13.56	10.82	13.64	10.89	13.72	10.95	13.80	11.01
<b>Module Efficiency</b>	<b>22.8%</b>		<b>23.0%</b>		<b>23.2%</b>		<b>23.3%</b>		<b>23.5%</b>		<b>23.7%</b>	

**Product Specification**

Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Anodized aluminum
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) ±350mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible
Weight	31kg±3%
Dimension	2323*1134*33mm
Package Detail	36pcs per pallet / 180pcs per 20'GP / 720pcs per 40'HC

**Temperature Ratings (STC)**

Temperature Coefficient of I <sub>sc</sub>	+ 0.05%/ °C
Temperature Coefficient of V <sub>oc</sub>	- 0.22%/ °C
Temperature Coefficient of P <sub>max</sub>	- 0.26%/ °C

**Installation Guide**

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
V <sub>oc</sub> and I <sub>sc</sub> 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 A



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\*AIKO reserves right to update the specification without notice  
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