

# COMET

3N72e Mono-Glass Module  
595W-630W

## Technical Features:

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



red dot winner 2023



Product  
Warranty  
Extendable to 25years\*

Performance  
Warranty



IEC 61215 IEC 61730  
2014/35/EU



Warranty partner

Munich RE 

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

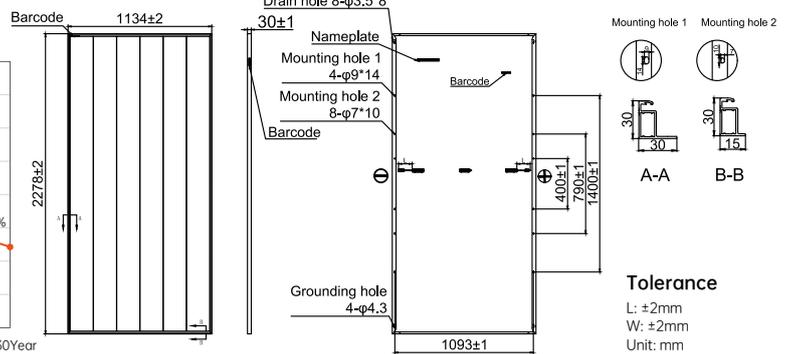
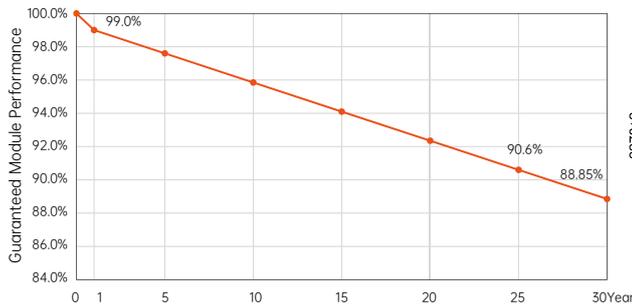
**630W**  
Output

**24.4%**  
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-A595-MAE72Mw		AIKO-A600-MAE72Mw		AIKO-A605-MAE72Mw		AIKO-A610-MAE72Mw		AIKO-A615-MAE72Mw		AIKO-A620-MAE72Mw		AIKO-A625-MAE72Mw		AIKO-A630-MAE72Mw	
	STC	NOCT														
<b>Module Efficiency</b>	<b>23.0%</b>		<b>23.2%</b>		<b>23.4%</b>		<b>23.6%</b>		<b>23.8%</b>		<b>24.0%</b>		<b>24.2%</b>		<b>24.4%</b>	

**Product Specification**

Cell Type	N-Type ABC
Glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/MC4-EVO2A
Weight	27kg±3%
Dimension	2278*1134*30mm
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 - +70°C
Maximum Series Fuse Rating	25A
Protection Class	ClassII
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



www.aikosolar.com  
marketing@aikosolar.com

\*AIKO reserves right to update the specification without notice  
\*Optional Munich Re coverage is available upon request.  
202601\_V3.1\_EN